1 Identification

- Product identifier
  - Trade name: Rosin Alcohol Stock, 10%
  - Article number: 20550-05
  - Application of the substance / the mixture Laboratory chemicals

- Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:
    Electron Microscopy Sciences
    1560 Industry Road
    USA-Hatfield, PA 19440
    Tel: 215-412-8400  Fax: 215-412-8450
    email: sgkck@aol.com
    www.emsdiasum.com

- Information department: Product safety department

- Emergency telephone number:
  - ChemTrec 1-800-424-9300 Contract CCN7661
  - 1-703-527-3887

2 Hazard(s) identification

- Classification of the substance or mixture

  **GHS02 Flame**
  Flam. Liq. 2  H225  Highly flammable liquid and vapor.

  **GHS06 Skull and crossbones**
  Acute Tox. 3  H301  Toxic if swallowed.

  **GHS08 Health hazard**
  Resp. Sens. 1B  H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  Muta. 2  H341  Suspected of causing genetic defects.
  Repr. 2  H361  Suspected of damaging fertility or the unborn child.
  STOT SE 2  H371  May cause damage to organs.

  **GHS07**
  Skin Irrit. 2  H315  Causes skin irritation.
  Eye Irrit. 2A  H319  Causes serious eye irritation.
  Skin Sens. 1  H317  May cause an allergic skin reaction.
  STOT SE 3  H335  May cause respiratory irritation.

- Label elements
  - **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
Trade name: Rosin Alcohol Stock, 10%

- **Hazard pictograms**
  
  ![Pictograms](https://example.com/pictograms.png)

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  Ethyl Alcohol, denatured
  Rosin
  Methyl Alcohol

- **Hazard statements**
  Highly flammable liquid and vapor.
  Toxic if swallowed.
  Causes skin irritation.
  Causes serious eye irritation.
  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  May cause an allergic skin reaction.
  Suspected of causing genetic defects.
  Suspected of damaging fertility or the unborn child.
  May cause damage to organs.
  May cause respiratory irritation.

- **Precautionary statements**
  Obtain special instructions before use.
  Do not handle until all safety precautions have been read and understood.
  Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  Keep container tightly closed.
  Ground/bond container and receiving equipment.
  Use explosion-proof electrical/ventilating/lighting/equipment.
  Use only non-sparking tools.
  Take precautionary measures against static discharge.
  Do not breathe dust/fume/gas/mist/vapors/spray.
  Wash thoroughly after handling.
  Do not eat, drink or smoke when using this product.
  Contaminated work clothing must not be allowed out of the workplace.
  Wear protective gloves/protective clothing/eye protection/face protection.
  [In case of inadequate ventilation] wear respiratory protection.
  IF SWALLOWED: Immediately call a POISON CENTER/doctor.
  If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  IF exposed or concerned: Get medical advice/attention.
  Specific treatment (see on this label).
  Rinse mouth.
  If skin irritation or rash occurs: Get medical advice/attention.
  If eye irritation persists: Get medical advice/attention.
  If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
  Take off contaminated clothing and wash it before reuse.
  Wash contaminated clothing before reuse.
  In case of fire: Use for extinction: CO2, powder or water spray.
  Store in a well-ventilated place. Keep cool.
  Store locked up.

(Contd. on page 3)
Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:
- NFPA ratings (scale 0 - 4)
  - Health = 2
  - Fire = 3
  - Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  - HEALTH
    - Health = 2
  - FIRE
    - Fire = 3
  - REACTIVITY
    - Reactivity = 0

- Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.
- Dangerous components: Void

4 First-aid measures

- Description of first aid measures
- General information:
  - Immediately remove any clothing soiled by the product.
  - In case of irregular breathing or respiratory arrest provide artificial respiration.
- After inhalation:
  - Supply fresh air and to be sure call for a doctor.
  - In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:
  - Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
  - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
  - Do not induce vomiting; immediately call for medical help.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed:
    - No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:
  - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture: No further relevant information available.
Safety Data Sheet
acc. to OSHA HCS

Trade name: Rosin Alcohol Stock, 10%

Advice for firefighters
Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.

Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Protective Action Criteria for Chemicals

PAC-1:
None of the ingredients is listed.

PAC-2:
None of the ingredients is listed.

PAC-3:
None of the ingredients is listed.

7 Handling and storage

Handling:
Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.

Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Storage:
Requirements to be met by storerooms and receptacles: Store in a cool location.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Specific end use(s) No further relevant information available.
8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
  
- Control parameters
  
- Components with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  
- Additional information: The lists that were valid during the creation were used as basis.
  
- Exposure controls
  
- Personal protective equipment:
    
- General protective and hygienic measures:
  Keep away from foodstuffs, beverages and feed.
  Immediately remove all soiled and contaminated clothing.
  Wash hands before breaks and at the end of work.
  Store protective clothing separately.
  Avoid contact with the eyes and skin.
  
- Breathing equipment:
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
  
- Protection of hands:  
  
  Protective gloves
  
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  
  - Material of gloves
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  
  - Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  
  - Eye protection:  
  
  Tightly sealed goggles

9 Physical and chemical properties

- Information on basic physical and chemical properties
  
- General Information
  
- Appearance:
  
  Form: Liquid
  Color: Light yellow
  Odor: Alcohol-like
### Odor threshold
- Not determined.

### pH-value
- Not determined.

### Change in condition
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | Undetermined. |

### Flash point
- 16.6 °C (62 °F)

### Flammability (solid, gaseous):
- Not flammable.

### Ignition temperature:
- Decomposition temperature: Not determined.
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

### Explosion limits:
- Lower: Not determined.
- Upper: Not determined.

### Vapor pressure
- Not determined.

### Density:
- Not determined.
- Relative density Not determined.
- Vapor density Not determined.
- Evaporation rate Not determined.

### Solubility in / Miscibility with Water:
- Fully miscible.

### Partition coefficient (n-octanol/water):
- Not determined.

### Viscosity:
- Dynamic: Not determined.
- Kinematic: Not determined.

### Solvent content:
- Organic solvents: 0.0 %
- VOC content: 0.0 g/l / 0.00 lb/gl

### Other information
- No further relevant information available.

### 10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability

### Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.
11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
  - on the skin: Irritant to skin and mucous membranes.
  - on the eye: Irritating effect.
- Sensitization:
  - Sensitization possible through inhalation.
  - Sensitization possible through skin contact.
- Additional toxicological information:
  - The product shows the following dangers according to internally approved calculation methods for preparations:
    - Toxic
    - Harmful
    - Irritant
- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    - None of the ingredients is listed.
  - NTP (National Toxicology Program)
    - None of the ingredients is listed.
  - OSHA-Ca (Occupational Safety Health Administration)
    - None of the ingredients is listed.

12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
- Additional ecological information:
- General notes:
  - Water hazard class 1 (Self-assessment): slightly hazardous for water
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation:
  - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
14 Transport information

- **UN-Number**
  - DOT, ADR, IMDG, IATA: UN1987

- **UN proper shipping name**
  - DOT: Alcohols, n.o.s. (Ethanol, Methanol)
  - ADR: 1987 Alcohols, n.o.s. (Ethanol, Methanol)
  - IMDG: ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)
  - IATA: ALCOHOLS, N.O.S. (ETHANOL, METHANOL)

- **Transport hazard class(es)**
  - **DOT**
    - Class: 3 Flammable liquids
    - Label: 3

- **ADR, IMDG, IATA**
  - Class: 3 Flammable liquids
  - Label: 3

- **Packing group**
  - DOT, ADR, IMDG, IATA: II

- **Environmental hazards:**
  - Not applicable.

- **Special precautions for user**
  - Warning: Flammable liquids
  - Danger code (Kemler): 33
  - EMS Number: F-E,S-D
  - Stowage Category: B

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - Not applicable.

- **Transport/Additional information:**
  - **DOT**
    - Quantity limitations: On passenger aircraft/rail: 5 L
    - On cargo aircraft only: 60 L
  - **ADR**
    - Excepted quantities (EQ):
      - Code: E2
      - Maximum net quantity per inner packaging: 30 ml
      - Maximum net quantity per outer packaging: 500 ml
Trade name: Rosin Alcohol Stock, 10%

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
    - Section 355 (extremely hazardous substances):
      None of the ingredients is listed.
  - Section 313 (Specific toxic chemical listings):
    None of the ingredients is listed.
  - TSCA (Toxic Substances Control Act):
    None of the ingredients is listed.
  - Proposition 65
    - Chemicals known to cause cancer:
      None of the ingredients is listed.
    - Chemicals known to cause reproductive toxicity for females:
      None of the ingredients is listed.
    - Chemicals known to cause reproductive toxicity for males:
      None of the ingredients is listed.
    - Chemicals known to cause developmental toxicity:
      None of the ingredients is listed.

- Carcinogenic categories
  - EPA (Environmental Protection Agency)
    None of the ingredients is listed.
  - TLV (Threshold Limit Value established by ACGIH)
    None of the ingredients is listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients is listed.
  - GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

GHS02  GHS06  GHS08  GHS07

- Signal word Danger

- Hazard-determining components of labeling:
  Ethyl Alcohol, denatured
  Rosin
Methyl Alcohol

· **Hazard statements**

  - Highly flammable liquid and vapor.
  - Toxic if swallowed.
  - Causes skin irritation.
  - Causes serious eye irritation.
  - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - May cause an allergic skin reaction.
  - Suspected of causing genetic defects.
  - Suspected of damaging fertility or the unborn child.
  - May cause damage to organs.
  - May cause respiratory irritation.

· **Precautionary statements**

  - Obtain special instructions before use.
  - Do not handle until all safety precautions have been read and understood.
  - Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  - Keep container tightly closed.
  - Ground/bond container and receiving equipment.
  - Use explosion-proof electrical/ventilating/lighting/equipment.
  - Use only non-sparking tools.
  - Take precautionary measures against static discharge.
  - Do not breathe dust/fume/gas/mist/vapors/spray.
  - Wash thoroughly after handling.
  - Do not eat, drink or smoke when using this product.
  - Contaminated work clothing must not be allowed out of the workplace.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - [In case of inadequate ventilation] wear respiratory protection.
  - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
  - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - IF exposed or concerned: Get medical advice/attention.
  - Specific treatment (see on this label).
  - Rinse mouth.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - If eye irritation persists: Get medical advice/attention.
  - If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
  - Take off contaminated clothing and wash it before reuse.
  - Wash contaminated clothing before reuse.
  - In case of fire: Use for extinction: CO₂, powder or water spray.
  - Store in a well-ventilated place. Keep cool.
  - Store locked up.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 08/29/2017 / -

· **Abbreviations and acronyms:**

  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
### Trade name: Rosin Alcohol Stock, 10%

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tbody>
<tr>
<td>IMDG</td>
<td>International Maritime Code for Dangerous Goods</td>
</tr>
<tr>
<td>DOT</td>
<td>US Department of Transportation</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Commercial Chemical Substances</td>
</tr>
<tr>
<td>ELINCS</td>
<td>European List of Notified Chemical Substances</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (division of the American Chemical Society)</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Association (USA)</td>
</tr>
<tr>
<td>HMIS</td>
<td>Hazardous Materials Identification System (USA)</td>
</tr>
<tr>
<td>VOC</td>
<td>Volatile Organic Compounds (USA, EU)</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and Very Bioaccumulative</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety Health</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>REL</td>
<td>Recommended Exposure Limit</td>
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<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids – Category 2</td>
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<tr>
<td>Acute Tox. 3</td>
<td>Acute toxicity – Category 3</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation – Category 2</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation – Category 2A</td>
</tr>
<tr>
<td>Resp. Sens. 1B</td>
<td>Respiratory sensitisation – Category 1B</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitisation – Category 1</td>
</tr>
<tr>
<td>Mut. 2</td>
<td>Germ cell mutagenicity – Category 2</td>
</tr>
<tr>
<td>Repr. 2</td>
<td>Reproductive toxicity – Category 2</td>
</tr>
<tr>
<td>STOT SE 2</td>
<td>Specific target organ toxicity (single exposure) – Category 2</td>
</tr>
</tbody>
</table>
1 Identification

- **Product identifier**
  - **Trade name**: Rosin Alcohol Stock, 10%
  - **Article number**: 20550-05
  - **Relevant identified uses of the substance or mixture and uses advised against**
    No further relevant information available.
  - **Application of the substance / the mixture** Laboratory chemicals

- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  Electron Microscopy Sciences
  1560 Industry Road
  USA-Hatfield, PA 19440
  Tel: 215-412-8400  Fax: 215-412-8450
  email: sgkcek@aol.com
  www.emsdiasum.com

ProSciTech Pty Ltd
11 Carlton Street, Kirwan QLD 4817 Australia
Telephone Number: (07) 4773 9444 - 8:30am - 5:00pm, Monday to Friday (excluding Public Holidays)
Emergency Contact: (07) 4773 9444 - 8:30am - 5:00pm, Monday to Friday (excluding Public Holidays)
Emgrid Australia Pty. Ltd.
P.O. Box 118
The Patch VIC 3792
Australia
Tel: 03 9752 1785
Fax: 03 9752 1784
Website: www.emgrid.com.au

- **Further information obtainable from**: Product safety department

- **Emergency telephone number:**
  ChemTrec 1-800-424-9300 Contract CCN7661
  1-703-527-3887

2 Hazard(s) Identification

- **Classification of the substance or mixture**
  GHS02 flame
  Flam. Liq. 2  H225  Highly flammable liquid and vapour.

  GHS06 skull and crossbones
  Acute Tox. 3  H301  Toxic if swallowed.

  GHS08 health hazard
  Resp. Sens. 1B  H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  Muta. 2  H341  Suspected of causing genetic defects.
  Repr. 2  H361  Suspected of damaging fertility or the unborn child.
  STOT SE 2  H371  May cause damage to organs.

(Contd. on page 2)
Trade name: Rosin Alcohol Stock, 10%

- **Label elements**
  - GHS label elements: The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**
  - GHS02  GHS06  GHS08  GHS07

- **Signal word** Danger

- **Hazard-determining components of labelling:**
  - Ethyl Alcohol, denatured
  - Rosin
  - Methyl Alcohol

- **Hazard statements**
  - Highly flammable liquid and vapour.
  - Toxic if swallowed.
  - Causes skin irritation.
  - Causes serious eye irritation.
  - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - May cause an allergic skin reaction.
  - Suspected of causing genetic defects.
  - Suspected of damaging fertility or the unborn child.
  - May cause damage to organs.
  - May cause respiratory irritation.

- **Precautionary statements**
  - Obtain special instructions before use.
  - Do not handle until all safety precautions have been read and understood.
  - Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  - Keep container tightly closed.
  - Ground/bond container and receiving equipment.
  - Use explosion-proof electrical/ventilating/lighting equipment.
  - Use only non-sparking tools.
  - Take precautionary measures against static discharge.
  - Do not breathe dust/fume/gas/mist/vapours/spray.
  - Wash thoroughly after handling.
  - Do not eat, drink or smoke when using this product.
  - Contaminated work clothing should not be allowed out of the workplace.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - Wear respiratory protection.

**IF SWALLOWED:** Immediately call a POISON CENTER/doctor.

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label).
Rinse mouth.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3 Composition and Information on Ingredients

- Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.
- Dangerous components: Void
- Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- Description of first aid measures
- General information:
  Immediately remove any clothing soiled by the product.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- After inhalation:
  Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Do not induce vomiting; call for medical help immediately.
- Information for doctor:
  Most important symptoms and effects, both acute and delayed No further relevant information available.
  Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

5 Fire Fighting Measures

- Extinguishing media
- Suitable extinguishing agents:
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Trade name: Rosin Alcohol Stock, 10%

· Special hazards arising from the substance or mixture: No further relevant information available.
· Advice for firefighters: No special measures required.
· Protective equipment: No special measures required.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
· Environmental precautions:
  Dilute with plenty of water.
  Do not allow to enter sewers/surface or ground water.
· Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
· Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and Storage

· Handling:
· Precautions for safe handling
  Ensure good ventilation/exhaustion at the workplace.
  Open and handle receptacle with care.
  Prevent formation of aerosols.
· Information about fire - and explosion protection:
  Keep ignition sources away - Do not smoke.
  Protect from heat.
  Protect against electrostatic charges.
  Keep respiratory protective device available.
· Conditions for safe storage, including any incompatibilities
· Storage:
  Requirements to be met by storerooms and receptacles: Store in a cool location.
  Information about storage in one common storage facility: Not required.
· Further information about storage conditions:
  Keep container tightly sealed.
  Store in cool, dry conditions in well sealed receptacles.
  Protect from heat and direct sunlight.
· Specific end use(s) No further relevant information available.

8 Exposure controls and personal protection

· Additional information about design of technical facilities: No further data; see item 7.
· Control parameters
  Ingredients with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at
  the workplace.
· Additional information: The lists valid during the making were used as basis.
Safety Data Sheet  
according to WHS Regulations

Trade name: Rosin Alcohol Stock, 10%

- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  Keep away from foodstuffs, beverages and feed.
  Immediately remove all soiled and contaminated clothing
  Wash hands before breaks and at the end of work.
  Store protective clothing separately.
  Avoid contact with the eyes and skin.
- Respiratory protection:
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

Tightly sealed goggles

9 Physical and Chemical Properties

- Information on basic physical and chemical properties
- General Information
  - Appearance:
    - Form: Liquid
    - Colour: Light yellow
  - Odour: Alcohol-like
  - Odour threshold: Not determined.
  - pH-value: Not determined.

- Change in condition
  - Melting point/freezing point: Undetermined.
  - Initial boiling point and boiling range: Undetermined.

- Flash point: 16.6 °C

- Flammability (solid, gas): Not applicable.
### 10 Stability and Reactivity

- **Reactivity**: No further relevant information available.
- **Chemical stability**: 
- **Thermal decomposition / conditions to be avoided**: No decomposition if used according to specifications.
- **Possibility of hazardous reactions**: No dangerous reactions known.
- **Conditions to avoid**: No further relevant information available.
- **Incompatible materials**: No further relevant information available.
- **Hazardous decomposition products**: No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**: 
- **Primary irritant effect**: 
- **Skin corrosion/irritation**: Irritant to skin and mucous membranes.
- **Serious eye damage/irritation**: Irritating effect.
- **Respiratory or skin sensitisation**: Sensitisation possible through inhalation. Sensitisation possible through skin contact.
45. **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
- Toxic
- Harmful
- Irritant
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  - Muta. 2, Repr. 2

### 12 Ecological Information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability**
  - No further relevant information available.
- **Behaviour in environmental systems:**
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
- **Additional ecological information:**
  - **General notes:**
    - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects**
  - No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
  - Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

- **UN-Number**
  - ADG, IMDG, IATA
- **UN1987**
- **UN proper shipping name**
  - ADG
  - 1987 ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)
  - IMDG
  - ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)
  - IATA
  - ALCOHOLS, N.O.S. (ETHANOL, METHANOL)
45.0

Transport hazard class(es)
- ADG, IMDG, IATA

<table>
<thead>
<tr>
<th>Class</th>
<th>3 Flammable liquids.</th>
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</thead>
<tbody>
<tr>
<td>Label</td>
<td>3</td>
</tr>
</tbody>
</table>

Packing group
- ADG, IMDG, IATA

Packing group
- ADG, IMDG, IATA

Environmental hazards:
- Not applicable.

Special precautions for user
- Warning: Flammable liquids.
- Danger code (Kemler): 33
- EMS Number: F-E,S-D
- Stowage Category: B

Transport in bulk according to Annex II of Marpol and the IBC Code
- Not applicable.

Transport/Additional information:

ADG
- Limited quantities (LQ): 1L
- Exempted quantities (EQ): Code: E2
  Maximum net quantity per inner packaging: 30 ml
  Maximum net quantity per outer packaging: 500 ml

IMDG
- Limited quantities (LQ): 1L
- Exempted quantities (EQ): Code: E2
  Maximum net quantity per inner packaging: 30 ml
  Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation":
- UN 1987 ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL), 3, II

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

- Australian Inventory of Chemical Substances
  None of the ingredients is listed.

- Standard for the Uniform Scheduling of Medicines and Poisons
  None of the ingredients is listed.

GHS label elements
- The product is classified and labelled according to the Globally Harmonised System (GHS).
Safety Data Sheet  
according to WHS Regulations

Trade name: Rosin Alcohol Stock, 10%

- **Hazard pictograms**

GHS02  GHS06  GHS08  GHS07

- **Signal word** Danger

- **Hazard-determining components of labelling:**
  Ethyl Alcohol, denatured
  Rosin
  Methyl Alcohol

- **Hazard statements**
  Highly flammable liquid and vapour.
  Toxic if swallowed.
  Causes skin irritation.
  Causes serious eye irritation.
  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  May cause an allergic skin reaction.
  Suspected of causing genetic defects.
  Suspected of damaging fertility or the unborn child.
  May cause damage to organs.
  May cause respiratory irritation.

- **Precautionary statements**
  Obtain special instructions before use.
  Do not handle until all safety precautions have been read and understood.
  Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  Keep container tightly closed.
  Ground/bond container and receiving equipment.
  Use explosion-proof electrical/ventilating/lighting equipment.
  Use only non-sparking tools.
  Take precautionary measures against static discharge.
  Do not breathe dust/fume/gas/mist/vapours/spray.
  Wash thoroughly after handling.
  Do not eat, drink or smoke when using this product.
  Contaminated work clothing should not be allowed out of the workplace.
  Wear protective gloves/protective clothing/eye protection/face protection.
  Wear respiratory protection.
  IF SWALLOWED: Immediately call a POISON CENTER/doctor.
  IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
  IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  IF exposed or concerned: Get medical advice/attention.
  Specific treatment (see on this label).
  Rinse mouth.
  If skin irritation or rash occurs: Get medical advice/attention.
  If eye irritation persists: Get medical advice/attention.
  If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
  Take off contaminated clothing and wash it before reuse.
  Wash contaminated clothing before reuse.
  In case of fire: Use for extinction: CO2, powder or water spray.
  Store in a well-ventilated place. Keep cool.

(Contd. on page 10)
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**
  - H2 ACUTE TOXIC
  - P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - VOC: Volatile Organic Compounds (USA, EU)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Acute Tox. 3: Acute toxicity – Category 3
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
  - Resp. Sens. 1B: Respiratory sensitisation – Category 1B
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Mut. 2: Germ cell mutagenicity – Category 2
  - Rep. 2: Reproductive toxicity – Category 2
  - STOT SE 2: Specific target organ toxicity (single exposure) – Category 2
1 Identification

- **Product identifier**
  - Trade name: Rosin Alcohol Stock, 10%
  - Article number: 20550-05
  - Application of the substance / the mixture Laboratory chemicals

- **Details of the supplier of the safety data sheet**
  - Manufacturer/Supplier:
    Electron Microscopy Sciences
    1560 Industry Road
    USA-Hatfield, PA 19440
    Tel: 215-412-8400  Fax: 215-412-8450
    email: sgkcek@aol.com
    www.emsdiasum.com

- **Information department:** Product safety department

- **Emergency telephone number:**
  - ChemTrec 1-800-424-9300 Contract CCN7661
  - 1-703-527-3887

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - GHS02 Flame
    Flammable Liquids - Category 2
    H225  Highly flammable liquid and vapour.

  - GHS06 Skull and crossbones
    Acute Toxicity (Oral) - Category 3
    H301  Toxic if swallowed.

  - GHS08 Health hazard
    Respiratory Sensitizer - Category 1B
    H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled.

    Germ Cell Mutagenicity - Category 2
    H341  Suspected of causing genetic defects.

    Reproductive Toxicity - Category 2
    H361  Suspected of damaging fertility or the unborn child.

    Specific Target Organ Toxicity - Single Exposure - Category 2
    H371  May cause damage to organs.

  - GHS07
    Skin Irritation - Category 2
    H315  Causes skin irritation.

    Eye Irritation - Category 2A
    H319  Causes serious eye irritation.

    Skin Sensitizer - Category 1
    H317  May cause an allergic skin reaction.

    Specific Target Organ Toxicity - Single Exposure - Category 3
    H335  May cause respiratory irritation.

(Contd. on page 2)
Trade name: Rosin Alcohol Stock, 10%

- Label elements
- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms

![GHS02 GHS06 GHS08 GHS07]

- Signal word Danger

- Hazard-determining components of labeling:
  - Ethyl Alcohol, denatured
  - Rosin
  - Methyl Alcohol

- Hazard statements
  - Highly flammable liquid and vapour.
  - Toxic if swallowed.
  - Causes skin irritation.
  - Causes serious eye irritation.
  - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - May cause an allergic skin reaction.
  - Suspected of causing genetic defects.
  - Suspected of damaging fertility or the unborn child.
  - May cause damage to organs.
  - May cause respiratory irritation.

- Precautionary statements
  - Obtain special instructions before use.
  - Do not handle until all safety precautions have been read and understood.
  - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - Keep container tightly closed.
  - Ground and bond container and receiving equipment.
  - Use explosion-proof [electrical/ventilating/lighting] equipment.
  - Use non-sparking tools.
  - Take actions to prevent static discharges.
  - Do not breathe dust/fume/gas/mist/vapours/spray.
  - Wash thoroughly after handling.
  - Do not eat, drink or smoke when using this product.
  - Contaminated work clothing should not be allowed out of the workplace.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - [In case of inadequate ventilation] wear respiratory protection.
  - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
  - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
  - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - IF exposed or concerned: Get medical advice/attention.
  - Specific treatment (see on this label).
  - Rinse mouth.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - If eye irritation persists: Get medical advice/attention.
  - If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
  - Take off contaminated clothing and wash it before reuse.
  - In case of fire: Use for extinction: CO2, powder or water spray.

(Contd. on page 3)
Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Hazard description:**
- **WHMIS-symbols:**
  - B2 - Flammable liquid
  - D1A - Very toxic material causing immediate and serious toxic effects
  - D2A - Very toxic material causing other toxic effects

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
  - Health = 2
  - Fire = 3
  - Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**
  - Health = 2
  - Fire = 3
  - Reactivity = 0

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:** Void

### 4 First-aid measures

- **Description of first aid measures**
- **General information:**
  - Immediately remove any clothing soiled by the product.
  - In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After inhalation:**
  - Supply fresh air and to be sure call for a doctor.
  - In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
  - Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
  - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
  - Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed** No further relevant information available.
  - **Indication of any immediate medical attention and special treatment needed**
  - No further relevant information available.
5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:
  CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
  Dilute with plenty of water.
  Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- Handling:
- Precautions for safe handling
  Ensure good ventilation/exhaustion at the workplace.
  Open and handle receptacle with care.
  Prevent formation of aerosols.
- Information about protection against explosions and fires:
  Keep ignition sources away - Do not smoke.
  Protect from heat.
  Protect against electrostatic charges.
  Keep respiratory protective device available.
- Conditions for safe storage, including any incompatibilities
- Storage:
  Requirements to be met by storerooms and receptacles: Store in a cool location.
  Information about storage in one common storage facility: Not required.
  Further information about storage conditions:
  Keep receptacle tightly sealed.
  Store in cool, dry conditions in well sealed receptacles.
  Protect from heat and direct sunlight.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
Control parameters
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.

Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:
Form: Liquid
Color: Light yellow
Odor: Alcohol-like
Odor threshold: Not determined.

pH-value: Not determined.
45.0

Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

Flash point: 16.6 °C

Flammability (solid, gaseous): Not flammable.

Ignition temperature:

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits:
Lower: Not determined.
Upper: Not determined.

Vapor pressure: Not determined.

Density: Not determined.
Relative density: Not determined.
Vapor density: Not determined.
Evaporation rate: Not determined.

Solubility in / Miscibility with
Water: Fully miscible.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:
Dynamic: Not determined.
Kinematic: Not determined.

Solvent content:
Organic solvents: 0.0 %

Other information: No further relevant information available.

10 Stability and reactivity

Reactivity: No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions: No dangerous reactions known.
Conditions to avoid: No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity:
Primary irritant effect:
on the skin: Irritant to skin and mucous membranes.
Trade name: Rosin Alcohol Stock, 10%

- on the eye: Irritating effect.
- Sensitization:
  Sensitization possible through inhalation.
  Sensitization possible through skin contact.
- Additional toxicological information:
  The product shows the following dangers according to internally approved calculation methods for preparations:
  Toxic
  Harmful
  Irritant
- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    None of the ingredients is listed.
  - NTP (National Toxicology Program)
    None of the ingredients is listed.

12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    Water hazard class 1 (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation:
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  - Uncleaned packagings:
    - Recommendation: Disposal must be made according to official regulations.
    - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- UN-Number
- DOT, TDG, IMDG, IATA: UN1987
- UN proper shipping name
  - DOT: Alcohols, n.o.s. (Ethanol, Methanol)

(Contd. of page 6)

(Contd. on page 8)
**Trade name: Rosin Alcohol Stock, 10%**

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<tr>
<th><strong>DOT</strong></th>
<th>1987 Alcohols, n.o.s. (Ethanol, Methanol)</th>
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<tr>
<td><strong>IMDG</strong></td>
<td>ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)</td>
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<tr>
<td><strong>IATA</strong></td>
<td>ALCOHOLS, N.O.S. (ETHANOL, METHANOL)</td>
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<tr>
<th><strong>Transport hazard class(es)</strong></th>
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<tbody>
<tr>
<td><strong>DOT</strong></td>
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<tr>
<td>- <strong>Class</strong>: 3 Flammable liquids</td>
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<tr>
<td>- <strong>Label</strong>: 3</td>
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<td>- <strong>TDG, IMDG, IATA</strong></td>
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<td>- <strong>Class</strong>: 3 Flammable liquids</td>
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<td>- <strong>Label</strong>: 3</td>
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<th><strong>Packing group</strong></th>
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<td><strong>DOT, TDG, IMDG, IATA</strong>: II</td>
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<tr>
<th><strong>Environmental hazards:</strong></th>
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<tbody>
<tr>
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<tr>
<th><strong>Special precautions for user</strong></th>
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<tbody>
<tr>
<td><strong>Warning</strong>: Flammable liquids</td>
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<tr>
<td><strong>Danger code (Kemler)</strong>: 33</td>
</tr>
<tr>
<td><strong>EMS Number</strong>: F-E,S-D</td>
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<tr>
<td><strong>Stowage Category</strong>: B</td>
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<thead>
<tr>
<th><strong>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</strong></th>
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<tbody>
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<th><strong>Transport/Additional information:</strong></th>
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<tbody>
<tr>
<td><strong>DOT</strong></td>
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<tr>
<td>- <strong>Quantity limitations</strong>: On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L</td>
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<table>
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<tr>
<th><strong>TDG</strong></th>
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<tbody>
<tr>
<td>- <strong>Excepted quantities (EQ)</strong> Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</td>
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<tr>
<th><strong>IMDG</strong></th>
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<tr>
<td>- <strong>Limited quantities (LQ)</strong> 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</td>
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<thead>
<tr>
<th><strong>UN &quot;Model Regulation&quot;:</strong></th>
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<tr>
<td>UN 1987 ALCOHOLS, N.O.S. (ETHANOL, METHANOL), 3, II</td>
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</table>
15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Section 355 (extremely hazardous substances):
  None of the ingredients is listed.
- Section 313 (Specific toxic chemical listings):
  None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):
  None of the ingredients is listed.
- Canadian substance listings:
  - Canadian Domestic Substances List (DSL)
    None of the ingredients is listed.
  - Canadian Ingredient Disclosure list (limit 0.1%)
    None of the ingredients is listed.
  - Canadian Ingredient Disclosure list (limit 1%)
    None of the ingredients is listed.
- GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms

  GHS02  GHS06  GHS08  GHS07

- Signal word Danger

- Hazard-determining components of labeling:
  Ethyl Alcohol, denatured
  Rosin
  Methyl Alcohol

- Hazard statements
  Highly flammable liquid and vapour.
  Toxic if swallowed.
  Causes skin irritation.
  Causes serious eye irritation.
  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  May cause an allergic skin reaction.
  Suspected of causing genetic defects.
  Suspected of damaging fertility or the unborn child.
  May cause damage to organs.
  May cause respiratory irritation.

- Precautionary statements
  Obtain special instructions before use.
  Do not handle until all safety precautions have been read and understood.
  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  Keep container tightly closed.
  Ground and bond container and receiving equipment.
  Use explosion-proof [electrical/ventilating/lighting] equipment.
  Use non-sparking tools.
  Take actions to prevent static discharges.
Trade name: Rosin Alcohol Stock, 10%

Do not breathe dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
[In case of inadequate ventilation] wear respiratory protection.
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
Rinse mouth.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation / last revision 08/29/2017 /

Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
  - Trade name: Rosin Alcohol Stock, 10%
  - Article number: 20550-05

- 1.2 Relevant identified uses of the substance or mixture and uses advised against
  - No further relevant information available.

- 1.3 Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:
    - Electron Microscopy Sciences
    - 1560 Industry Road
    - USA-Hatfield, PA 19440
    - Tel: 215-412-8400  Fax: 215-412-8450
    - email: sgkck@aol.com
    - www.emsdiasum.com

  - Further information obtainable from: Product safety department

- 1.4 Emergency telephone number:
  - ChemTrec 1-800-424-9300 Contract CCN7661
  - 1-703-527-3887

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
  - Classification according to Regulation (EC) No 1272/2008

  - GHS02 flame
    - Flam. Liq. 2 H225 Highly flammable liquid and vapour.

  - GHS06 skull and crossbones
    - Acute Tox. 3 H301 Toxic if swallowed.

  - GHS08 health hazard
    - Resp. Sens. 1B H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
    - Muta. 2 H341 Suspected of causing genetic defects.
    - Repr. 2 H361 Suspected of damaging fertility or the unborn child.
    - STOT SE 2 H371 May cause damage to organs.

  - GHS07
    - Skin Irrit. 2 H315 Causes skin irritation.
    - Eye Irrit. 2 H319 Causes serious eye irritation.
    - Skin Sens. 1 H317 May cause an allergic skin reaction.
    - STOT SE 3 H335 May cause respiratory irritation.

(Contd. on page 2)
2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02  GHS06  GHS08  GHS07

Signal word Danger

Hazard-determining components of labelling:
Rosin
Methyl Alcohol

Hazard statements
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H361 Suspected of damaging fertility or the unborn child.
H371 May cause damage to organs.
H335 May cause respiratory irritation.

Precautionary statements
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components: Void
Additional information: For the wording of the listed hazard phrases refer to section 16.
SECTION 4: First aid measures

- 4.1 Description of first aid measures
  - General information:
    Immediately remove any clothing soiled by the product. 
    In case of irregular breathing or respiratory arrest provide artificial respiration.
  - After inhalation:
    Supply fresh air and to be sure call for a doctor.
    In case of unconsciousness place patient stably in side position for transportation.
  - After skin contact:
    Immediately wash with water and soap and rinse thoroughly.
  - After eye contact:
    Rinse opened eye for several minutes under running water.
    If symptoms persist, consult a doctor.
  - After swallowing:
    Do not induce vomiting; call for medical help immediately.

- 4.2 Most important symptoms and effects, both acute and delayed
  No further relevant information available.

- 4.3 Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents:
    CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture
  No further relevant information available.

- 5.3 Advice for firefighters
  - Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions:
  Dilute with plenty of water.
  Do not allow to enter sewers/surface or ground water.

- 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.

- 6.4 Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  Ensure good ventilation/exhaustion at the workplace.
  Open and handle receptacle with care.
  Prevent formation of aerosols.

- Information about fire - and explosion protection:
  Keep ignition sources away - Do not smoke.
  Protect from heat.
Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: Rosin Alcohol Stock, 10%

- Protect against electrostatic charges.
- Keep respiratory protective device available.

- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: Store in a cool location.
  - Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
  - Keep container tightly sealed.
  - Store in cool, dry conditions in well sealed receptacles.
  - Protect from heat and direct sunlight.

- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
  - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as basis.

- 8.2 Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Store protective clothing separately.
  - Avoid contact with the eyes and skin.
- Respiratory protection:
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands:

  Protective gloves

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Trade name: Rosin Alcohol Stock, 10%

- Eye protection:
  
  Tightly sealed goggles

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
  
  - **General Information**
    - **Appearance:**
      - **Form:** Liquid
      - **Colour:** Light yellow
    - **Odour:** Alcohol-like
    - **Odour threshold:** Not determined.
    - **pH-value:** Not determined.
  
  - **Change in condition**
    - **Melting point/freezing point:** Undetermined.
    - **Initial boiling point and boiling range:** Undetermined.
  
  - **Flash point:** 16.6 °C

- **Flammability (solid, gas):** Not applicable.

- **Ignition temperature:**

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not self-igniting.

- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**
  - **Lower:** Not determined.
  - **Upper:** Not determined.

- **Vapour pressure:** Not determined.

- **Density:** Not determined.
- **Relative density:** Not determined.
- **Vapour density:** Not determined.
- **Evaporation rate:** Not determined.

- **Solubility in / Miscibility with water:** Fully miscible.

- **Partition coefficient: n-octanol/water:** Not determined.

- **Viscosity:**
  - **Dynamic:** Not determined.
  - **Kinematic:** Not determined.

- **Solvent content:**
  - **Organic solvents:** 0.0 %
  - **VOC (EC):** 0.00 %

(Contd. on page 6)
**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
  - **Acute toxicity**
    Toxic if swallowed.
  - **Primary irritant effect:**
  - **Skin corrosion/irritation**
    Causes skin irritation.
  - **Serious eye damage/irritation**
    Causes serious eye irritation.
  - **Respiratory or skin sensitisation**
    May cause allergy or asthma symptoms or breathing difficulties if inhaled.
    May cause an allergic skin reaction.
  - **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity**
    Suspected of causing genetic defects.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity**
    Suspected of damaging fertility or the unborn child.
  - **STOT-single exposure**
    May cause damage to organs.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - **General notes:**
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA
UN1987

14.2 UN proper shipping name

ADR
1987 ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)

IMDG
ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)

IATA
ALCOHOLS, N.O.S. (ETHANOL, METHANOL)

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class
3 Flammable liquids.
Label
3

14.4 Packing group

ADR, IMDG, IATA
II

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Warning: Flammable liquids.

Danger code (Kemler):
33

EMS Number:
F-E.S-D

Stowage Category
B

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) 1L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

Transport category 2
Tunnel restriction code: D/E

IMDG

Limited quantities (LQ): 1L
Excepted quantities (EQ): Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation": UN 1987 ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL), 3, II

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU
Named dangerous substances - ANNEX I: None of the ingredients is listed.
Seveso category: H2 ACUTE TOXIC
P5c: FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements: 50 t
Qualifying quantity (tonnes) for the application of upper-tier requirements: 200 t

REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction: 3

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 3: Acute toxicity – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1B: Respiratory sensitisation – Category 1B
Skin Sens. 1: Skin sensitisation – Category 1
Muta. 2: Germ cell mutagenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 2: Specific target organ toxicity (single exposure) – Category 2
RUBRIEK 1: Identificatie van de stof of het mengsel en van de vennootschap/onderneming

- **1.1 Productidentificatie**
  - **Handelsnaam:** Rosin Alcohol Stock, 10%
  - **Artikelnummer:** 20550-05

- **1.2 Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik**
  Geen verdere relevante informatie verkrijgbaar.

- **Toepassing van de stof / van de bereiding** Laboratoriumchembaliën

- **1.3 Details betreffende de verstrekker van het veiligheidsinformatieblad**
  - **Fabrikant/leverancier:**
    Electron Microscopy Sciences
    1560 Industry Road
    USA-Hatfield, PA 19440
    Tel: 215-412-8400  Fax: 215-412-8450
    email: sgkck@aol.com
    www.emsdiasum.com
  - **Inlichtingengevende sector:** Product safety department
  - **1.4 Telefoonnummer voor noodgevallen:**
    ChemTrec 1-800-424-9300 Contract CCN7661
    1-703-527-3887

RUBRIEK 2: Identificatie van de gevaren

- **2.1 Indeling van de stof of het mengsel**
  - Indeling overeenkomstig Verordening (EG) nr. 1272/2008
    - GHS02 vlam
    Flam. Liq. 2 H225 Licht ontvlambare vloeistof en damp.
    - GHS06 doodshoofd met gekruiste beenderen
    Acute Tox. 3 H301 Giftig bij inslikken.
    - GHS08 gezondheidsgevaar
    Resp. Sens. 1B H334 Kan bij inademing allergie- of astmasymptomen of ademhalingsmoeilijkheden veroorzaken.
    Muta. 2 H341 Verdacht van het veroorzaken van genetische schade.
    Repr. 2 H361 Kan mogelijk de vruchtbaarheid of het ongeboren kind schaden.
    STOT SE 2 H371 Kan schade aan organen veroorzaken.

(Vervolg op blz. 2)
Veiligheidsinformatieblad
volgens 1907/2006/EG, Artikel 31

Handelsnaam: Rosin Alcohol Stock, 10%

(Vervolg van blz. 1)

2.2 Etiketteringselementen
- Etikettering overeenkomstig Verordening (EG) nr. 1272/2008
Het product is geclassificeerd en geëtiketteerd volgens de CLP-verordening.

- Gevarenpictogrammen

- Signaalwoord Gevaar

- Gevaaraanduidende componenten voor de etikettering:
  pijnhars
  methanol

- Gevarenaanduidingen
  H225 Licht ontvlambare vloeistof en damp.
  H301 Giftig bij inslikken.
  H315 Veroorzaakt huidirritatie.
  H319 Veroorzaakt ernstige oogirritatie.
  H334 Kan bij inademing allergie- of astmasymptomen of ademhalingsmoeilijkheden veroorzaken.
  H317 Kan een allergische huidreactie veroorzaken.
  H341 Verdacht van het veroorzaken van genetische schade.
  H361 Kan mogelijk de vruchtbaarheid of het ongeboren kind schaden.
  H371 Kan schade aan organen veroorzaken.
  H335 Kan irritatie van de luchtwegen veroorzaken.

- Veiligheidsaanbevelingen
  P301+P310 NA INSLIKKEN: onmiddellijk een ANTIGIFCENTRUM/arts raadplegen.
  P305+P351+P338 BIJ CONTACT MET DE OGEN: voorzichtig afspoelen met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spoelen.
  P321 Specifieke behandeling vereist (zie op dit etiket).
  P405 Achter slot bewaren.
  P501 De inhoud en de verpakking verwerken volgens de plaatselijke/regionale/nationale/internationale voorschriften.

2.3 Andere gevaren
- Resultaten van PBT- en zPzB-beoordeling
  PBT: Niet bruikbaar.
  zPzB: Niet bruikbaar.

(NVervolg op blz. 3)
RUBRIEK 3: Samenstelling en informatie over de bestanddelen

· 3.2 Chemische karakterisering: Mengsels
· Beschrijving: Mengsel van na elkaar aangevoerde stoffen met ongevaarlijke bijmengingen.
· Gevaarlijke inhusdstoffen: Niet van toepassing
· Aanvullende gegevens:
  De woordelijke inhoud van de opgegeven aanwijzingen inzake de mogelijke gevaren is te vinden in hoofdstuk 16.

RUBRIEK 4: Eerstehulpmaatregelen

· 4.1 Beschrijving van de eerstehulpmaatregelen
· Algemene informatie:
  Verontreinigde kleding onmiddellijk uittrekken.
  Bij onregelmatige ademhaling of ademstilstand kunstmatige ademhaling toepassen.
· Na het inademen:
  Veel verse lucht toedienen en voor alle zekerheid een arts raadplegen.
  Bij bewusteloosheid ligging en vervoer in stabiele zijligging.
· Na huidcontact:
  Onmiddellijk met water en zeep afwassen en goed naspoelen.
· Na oogcontact:
  De ogen gedurende verscheidene minuten onder stromend water afspoelen terwijl de oogspleet geopend blijft. Bij aanhoudende klachten een dokter raadplegen.
· Na inslikken:
  Geen braken teweegbrengen en onmiddellijk medische hulp raadplegen.

RUBRIEK 5: Brandbestrijdingsmaatregelen

· 5.1 Blusmiddelen
· Geschikte blusmiddelen:
  CO2, bluspoeder of waterstraal. Grotere brand met waterstraal bestrijden of met schuim, dat tegen alcohol bestand is.
· 5.2 Speciale gevaren die door de stof of het mengsel worden veroorzaakt
  Geen verdere relevante informatie verkrijgbaar.
· 5.3 Advies voor brandweerlieden
· Speciale beschermende kleding: Geen bijzondere maatregelen nodig.

RUBRIEK 6: Maatregelen bij het accidenteel vrijkomen van de stof of het mengsel

· 6.1 Persoonlijke voorzorgsmaatregelen, beschermderie uitrusting en noodprocedures
  Beschermende kleding aantrekken. Niet beschermd personen op afstand houden.
· 6.2 Milieuvoorzorgsmaatregelen:
  Met veel water verdunnen.
  Niet in de riolering/het oppervlaktewater/het grondwater laten terechtkomen.
· 6.3 Insluitings- en reinigingsmethoden en -materiaal:
  Met vloeistoofbindend materiaal (zand, bergmeel, zuurbinder, universele binder, zaagmeel) opnemen.
  Besmet materiaal zoals afval volgens punt 13 verwijderen.
  Voor voldoende ventilatie zorgen.
· 6.4 Verwijzing naar andere rubrieken
  Informatie inzake veilig gebruik - zie hoofdstuk 7.
  Informatie inzake persoonlijke beschermingsuitrusting - zie hoofdstuk 8.
RUBRIEK 7: Hantering en opslag

7.1 Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel
Voor goede ventilatie/afzuiging op de werkplaatsen zorgen.
Tanks voorzichtig openen en behandelen.
Aërosolvorming vermijden.

Informatie m.b.t. brand- en ontploffingsgevaar:
Onstekingsbronnen op afstand houden - niet roken.
Beschermen tegen hitte.
Maatregelen treffen tegen ontlading van statische elektriciteit.
Ademhalingstoestellen gereedhouden.

7.2 Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten

Opslag:
- Eisen ten opzichte van opslagruimte en tanks: Op een koele plaats bewaren.
- Informatie m.b.t. gezamenlijke opslag: Niet noodzakelijk.

7.3 Specifiek eindgebruik
Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 8: Maatregelen ter beheersing van blootstelling/persoonlijke bescherming

8.1 Controleparameters
Bestanddelen met grenswaarden die m.b.t. de werkrui mte in acht genomen moeten worden:
Het produkt bevat geen relevante hoeveelheden van stoffen, die met betrekking tot de werkplaatsen, qua grenswaarden gecontroleerd moeten worden.

Aanvullende gegevens: Als basis dienden lijsten die bij opstelling geldig waren.

8.2 Maatregelen ter beheersing van blootstelling
Persoonlijke beschermingsvoorzieningen:
Algemene beschermings- en gezondheidsmaatregelen:
Verwijderd houden van eet- en drinkwaren.
Verontreinigde kleding onmiddellijk uittrekken.
Vóór de pauze en aan het einde van werktijd handen wassen.
Beschermende kleding afzonderlijk bewaren.
Aanraking met de ogen en de huid vermijden.

Ademhalingsbescherming:
Bij korte of geringe belasting ademfiltertoestel; bij intensieve resp. langdurige expositie een van de omringende lucht onafhankelijk ademhalingstoestel gebruiken.

Handbescherming:

Veiligheidshandschoenen

Het handschoenmateriaal moet ondoorlatend en bestand zijn tegen het product / de stof / de bereiding.
Op grond van falende testen kan geen aanbeveling voor handschoenmateriaal voor het product / de bereiding / het chemicaliën mengsel afgegeven worden.
Kies handschoenmateriaal rekening houdend met de penetratietijden, de permeatiegraden en de degradatie.

- **Handschoenmateriaal**
  De keuze van een geschikte handschoen is niet alleen afhankelijk van het materiaal, maar ook van andere kwaliteitskenmerken en verschilt van fabrikant tot fabrikant. Aangezien het product uit meerdere stoffen is samengesteld, is de duurzaamheid van de handschoenmaterialen niet vooraf berekenbaar en moet derhalve vóór het gebruik worden getest.

- **Doordringingstijd van het handschoenmateriaal**
  De precieze penetratietijd kunt u te weten komen bij de handschoenfabrikant; houd er rekening mee.

- **Oogbescherming:**
  Nauw aansluitende veiligheidsbril

---

### RUBRIEK 9: Fysische en chemische eigenschappen

- **9.1 Informatie over fysische en chemische basiseigenschappen**
  - **Algemene gegevens**
    - **Vorm:** Vloeistof
    - **Kleur:** Lichtgeel
    - **Geur:** Alcoholachtig
    - **Geurdrempelwaarde:** Niet bepaald.
    - **pH-waarde:** Niet bepaald.

  - **Toestandsverandering**
    - **Smelt-/vriespunt:** Niet bepaald.
    - **Beginkookpunt en kooktraject:** Niet bepaald.

  - **Vlampunt:** 16,6 °C

  - **Ontvlambaarheid (vast, gas):** Niet bruikbaar.

  - **Ontstekingstemperatuur:**
    - **Ontledingstemperatuur:** Niet bepaald.
    - **Zelfontbrandingstemperatuur:** Het produkt ontbrandt niet uit zichzelf.

  - **Ontploffingseigenschappen:**
    - Het produkt is niet ontploffingsgevaarlijk, maar de vorming van ontploffingsgevaarlijke damp-/luchtmengsels is mogelijk.

  - **Ontploffingsgrenzen:**
    - **Onderste:** Niet bepaald.
    - **Bovenste:** Niet bepaald.

  - **Dampspanning:**
    - Niet bepaald.

  - **Dichtheid:**
    - Niet bepaald.
  - **Relatieve dichtheid**
    - Niet bepaald.
  - **Dampdichtheid**
    - Niet bepaald.
  - **Verdampingssnelheid**
    - Niet bepaald.

  - **Oplosbaarheid in/mengbaarheid met**
    - **Water:** Volledig mengbaar.

  - **Verdelingscoëfficiënt: n-octanol/water:** Niet bepaald.
Veiligheidsinformatieblad volgens 1907/2006/EG, Artikel 31

Handelsnaam: Rosin Alcohol Stock, 10%

(Vervolg van blz. 5)

- **Viscositeit**
  - Dynamisch: Niet bepaald.
  - Kinematisch: Niet bepaald.

- **Oplosmiddelgehalte**
  - Organisch oplosmiddel: 0,0 %
  - VOC (EG): 0,00 %

- **9.2 Overige informatie**
  Geen verdere relevante informatie verkrijgbaar.

---

**RUBRIEK 10: Stabiliteit en reactiviteit**

- **10.1 Reactiviteit**
  Geen verdere relevante informatie verkrijgbaar.

- **10.2 Chemische stabiliteit**
  - Thermische afbraak / te vermijden omstandigheden: Geen afbraak bij gebruik volgens voorschrift.
  - 10.3 Mogelijke gevaarlijke reacties
    Geen gevaarlijke reacties bekend.

- **10.4 Te vermijden omstandigheden**
  Geen verdere relevante informatie verkrijgbaar.

- **10.5 Chemisch op elkaar inwerkende materialen**
  Geen verdere relevante informatie verkrijgbaar.

- **10.6 Gevaarlijke ontledingsproducten**
  Geen gevaarlijke ontbindingsproducten bekend.

---

**RUBRIEK 11: Toxicologische informatie**

- **11.1 Informatie over toxicologische effecten**
  - **Acute toxiciteit**
    Giftig bij inslikken.
  - **Primaire aandoening:**
    - **Huidcorrosie/-irritatie**
      Veroorzaakt huidirritatie.
    - **Ernstig oogletsel/oogirritatie**
      Veroorzaakt ernstige oogirritatie.
  - **Sensibilisatie van de luchtwegen/de huid**
    Kan bij inademing allergie- of astmasymptomen of ademhalingsmoeilijkheden veroorzaken.
    Kan een allergische huidreactie veroorzaken.
  - **CMR-effecten (kankerverwekkendheid, mutageniteit en giftigheid voor de voortplanting)**
    - **Mutageniteit in geslachtscellen**
      Verdacht van het veroorzaken van genetische schade.
    - **Kankerverwekkendheid**
      Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
  - **Giftigheid voor de voortplanting**
    Kan mogelijks de vruchtbaarheid of het ongeboren kind schaden.
  - **STOT bij eenmalige blootstelling**
    Kan schade aan organen veroorzaken.
  - **STOT bij herhaalde blootstelling**
    Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
  - **Gevaar bij inademing**
    Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

---

**RUBRIEK 12: Ecologische informatie**

- **12.1 Toxiciteit**
  - Aquatische toxiciteit: Geen verdere relevante informatie verkrijgbaar.
  - **12.2 Persistentie en afbreekbaarheid**
    Geen verdere relevante informatie verkrijgbaar.
  - **12.3 Bioaccumulatie**
    Geen verdere relevante informatie verkrijgbaar.
  - **12.4 Mobiliteit in de bodem**
    Geen verdere relevante informatie verkrijgbaar.

(Vervolg op blz. 7)
Handelsnaam: Rosin Alcohol Stock, 10%

- Verdere ecologische informatie:
- Algemene informatie:
  Waterbezwaarlijkheid (NL): A(4) Weinig schadelijk voor in water levende organismen kan in het aquatische milieu op lange termijn schadelijke effecten veroorzaken
  Gevaar voor water klasse 1 (D) (Selfclassificatie): gevaar voor water klein
  Niet onverdund of in grote hoeveelheden lozen in grondwater, in oppervlaktewater of in de riolering.
- 12.5 Resultaten van PBT- en zPzB-beoordeling
  - PBT: Niet bruikbaar.
  - zPzB: Niet bruikbaar.
- 12.6 Andere schadelijke effecten Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 13: Instructies voor verwijdering

- 13.1 Afvalverwerkingsmethoden
  - Aanbeveling: Mag niet samen met huisvuil gestort worden of in de riolering terechtkomen.
  - Niet gereinigde verpakkingen:
    - Aanbeveling: Afvalverwijdering volgens overheidsbepalingen.
    - Aanbevolen reinigingsmiddel: Water, eventueel met toevoeging van reinigingsmiddelen.

RUBRIEK 14: Informatie met betrekking tot het vervoer

<table>
<thead>
<tr>
<th>14.1 VN-nummer</th>
<th>ADR, IMDG, IATA</th>
<th>UN1987</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 Juiste ladingnaam overeenkomstig de modelreglementen van de VN</td>
<td>ADR</td>
<td>1987 ALCOHOLEN, N.E.G. (ETHANOL (ETHYLALCOHOL), METHANOL)</td>
</tr>
<tr>
<td></td>
<td>IMDG</td>
<td>ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)</td>
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<tr>
<td></td>
<td>IATA</td>
<td>ALCOHOLS, N.O.S. (ETHANOL, METHANOL)</td>
</tr>
<tr>
<td>14.3 Transportgevarenklasse(n)</td>
<td>ADR, IMDG, IATA</td>
<td></td>
</tr>
<tr>
<td>klasse</td>
<td>3 Brandbare vloeistoffen</td>
<td></td>
</tr>
<tr>
<td>Etiket</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>14.4 Verpakkingsgroep:</td>
<td>ADR, IMDG, IATA</td>
<td>II</td>
</tr>
<tr>
<td>14.5 Milieugevaar:</td>
<td>Niet bruikbaar.</td>
<td></td>
</tr>
<tr>
<td>14.6 Bijzondere voorzorgen voor de gebruiker</td>
<td>Waarschuwing: Brandbare vloeistoffen</td>
<td></td>
</tr>
<tr>
<td>Kemler-getal:</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>EMS-nummer:</td>
<td>F-E,S-D</td>
<td></td>
</tr>
<tr>
<td>Stowage Category</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>14.7 Vervoer in bulk overeenkomstig bijlage II bij Marpol en de IBC-code</td>
<td>Niet bruikbaar.</td>
<td></td>
</tr>
</tbody>
</table>

(Vervolg op blz. 8)
Handelsnaam: Rosin Alcohol Stock, 10%

- Transport/verdere gegevens:
  - ADR
  - Beperkte hoeveelheden (LQ) 1L Code: E2
  - Uitgezonderde hoeveelheden (EQ) Grootste netto hoeveelheid per binnenverpakking: 30 ml
  - Vervoerscategorie
  - Tunnelbeperkingscode D/E
  - IMDG
  - Limited quantities (LQ) 1L Code: E2
  - Excepted quantities (EQ) Maximum net quantity per inner packaging: 30 ml
  - VN "Model Regulation": UN 1987 ALCOHOL, N. E. G. (ETHANOL (ETHYLALCOHOL), METHANOL), 3, II

RUBRIEK 15: Regelgeving

- 15.1 Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel
  - SZW-lijst van kankerverwekkende stoffen geen der bestanddelen staat op de lijst.
  - SZW-lijst van mutagene stoffen geen der bestanddelen staat op de lijst.
  - NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid geen der bestanddelen staat op de lijst.
  - NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling geen der bestanddelen staat op de lijst.
  - NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding geen der bestanddelen staat op de lijst.
  - Richtlijn 2012/18/EU
    - Gevaarlijke stoffen die met naam genoemd worden - BIJLAGE I geen der bestanddelen staat op de lijst.
    - Seveso-categorie H2 ACUUT TOXISCH
    - P5c ONTVLAMBARE VLOEISTOFFEN
  - Drempelwaarde (ton) voor toepassing van voorschriften voor lagedrempelinrichtingen 50 t
  - Drempelwaarde (ton) voor toepassing van voorschriften voor hogedrempelinrichtingen 200 t
  - Verordening (EG) nr. 1907/2006 BIJLAGE XVII Beperkingsvoorwaarden: 3
  - Nationale voorschriften:
    - Gevaarklasse v. water: Waterbezwaarlijkheid (NL): A(4) Weinig schadelijk voor in water levende organismen kan in het aquatische milieu op lange termijn schadelijke effecten veroorzaken
  - 15.2 Chemischeveiligheidsbeoordeling: Een chemische veiligheidsbeoordeling is niet uitgevoerd.
Veiligheidsinformatieblad
volgens 1907/2006/EG, Artikel 31

datum van de druk: 29.08.2017
Herziening van: 29.08.2017

Handelsnaam: Rosin Alcohol Stock, 10%

(Vervolg van blz. 8)

**RUBRIEK 16: Overige informatie**

Deze gegevens zijn gebaseerd op de huidige stand van onze kennis. Zij beschrijven echter geen garantie van produkteigenschappen en vestigen geen contractuele rechtsbetrekking.

· Afkortingen en acroniemen:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Ontvlambare vloeistoffen – Categorie 2
Acute Tox. 3: Acute toxiciteit – Categorie 3
Skin Irrit. 2: Huidcorrosie/-irritatie – Categorie 2
Eye Irrit. 2: Ernstig oogletsel/oogirritatie – Categorie 2
Resp. Sens. 1B: Sensibilisatie van de luchtwegen – Categorie 1B
Skin Sens. 1: Sensibilisatie van de huid – Categorie 1
Muta. 2: Mutageniteit in geslachtscellen – Categorie 2
Repr. 2: Voortplantingstoxiciteit – Categorie 2
STOT SE 2: Specifieke doelorgaantoxiciteit bij eenmalige blootstelling – Categorie 2
RUBRIQUE 1: Identification de la substance/du mélange et de la société/l'entreprise

1.1 Identificateur de produit
- Nom du produit: Rosin Alcohol Stock, 10%
- Code du produit: 20550-05

1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées
Pas d'autres informations importantes disponibles.

1.3 Renseignements concernant le fournisseur de la fiche de données de sécurité
- Producteur/fournisseur:
  Electron Microscopy Sciences
  1560 Industry Road
  USA-Hatfield, PA 19440
  Tel: 215-412-8400  Fax: 215-412-8450
  email: sgkck@aol.com
  www.emsdiasum.com
- Service chargé des renseignements: Product safety department
- 1.4 Numéro d'appel d'urgence:
  ChemTrec 1-800-424-9300 Contract CCN7661
  1-703-527-3887

RUBRIQUE 2: Identification des dangers

2.1 Classification de la substance ou du mélange
- Classification selon le règlement (CE) n° 1272/2008
  GHS02 flamme
  Flam. Liq. 2  H225 Liquide et vapeurs très inflammables.
  GHS06 tête de mort sur deux tibias
  Acute Tox. 3  H301 Toxique en cas d'ingestion.
  GHS08 danger pour la santé
  Resp. Sens. 1B H334 Peut provoquer des symptômes allergiques ou d'asthme ou des difficultés respiratoires par inhalation.
  Muta. 2  H341 Susceptible d'induire des anomalies génétiques.
  Repr. 2  H361 Susceptible de nuire à la fertilité ou au fœtus.
  STOT SE 2  H371 Risque présumé d'effets graves pour les organes.
  GHS07
  Skin Irrit. 2  H315 Provoque une irritation cutanée.
  Eye Irrit. 2  H319 Provoque une sévère irritation des yeux.
  Skin Sens. 1  H317 Peut provoquer une allergie cutanée.
  STOT SE 3  H335 Peut irriter les voies respiratoires.

(suite page 2)
Nom du produit: Rosin Alcohol Stock, 10%

- 2.2 Éléments d'étiquetage
  - Étiquetage selon le règlement (CE) n° 1272/2008 Le produit est classifié et étiqueté selon le règlement CLP.
  - Pictogrammes de danger
    
    ![Pictogrammes GHS02 GHS06 GHS08 GHS07]
    
    - Mention d'avertissement Danger
      - Composants dangereux déterminants pour l'étiquetage: colophane méthanol
      - Mentions de danger
        - H225 Liquide et vapeurs très inflammables.
        - H301 Toxique en cas d'ingestion.
        - H315 Provoque une irritation cutanée.
        - H319 Provoque une sévère irritation des yeux.
        - H334 Peut provoquer des symptômes allergiques ou d'asthme ou des difficultés respiratoires par inhalation.
        - H317 Peut provoquer une allergie cutanée.
        - H341 Susceptible d'induire des anomalies génétiques.
        - H361 Susceptible de nuire à la fertilité ou au fœtus.
        - H371 Risque présumé d'effets graves pour les organes.
        - H335 Peut irriter les voies respiratoires.
      - Conseils de prudence
        - P301+P310 EN CAS D’INGESTION: Appeler immédiatement un CENTRE ANTIPOISON/un médecin.
        - P303+P361+P353 EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Enlever immédiatement tous les vêtements contaminés. Rincer la peau à l'eau/Se doucher.
        - P305+P351+P338 EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.
        - P321 Traitement spécifique (voir sur cette étiquette).
        - P405 Garder sous clé.
        - P501 Éliminer le contenu/récipient conformément à la réglementation locale/régionale/nationale/internationale.

- 2.3 Autres dangers
  - Résultats des évaluations PBT et vPvB
    - PBT: Non applicable.
    - vPvB: Non applicable.

**RUBRIQUE 3: Composition/informations sur les composants**

- 3.2 Caractérisation chimique: Mélange
  - Description: Mélange des substances mentionnées à la suite avec des additifs non dangereux.
  - Composants dangereux: néant
  - Indications complémentaires: Pour le libellé des phrases de risque citées, se référer au chapitre 16.
RUBRIQUE 4: Premiers secours

4.1 Description des premiers secours

Remarques générales:
Enlever immédiatement les vêtements contaminés par le produit.
Respiration artificielle dans le cas d'une respiration irrégulière ou d'un arrêt respiratoire.

Après inhalation:
Donner de l'air frais en abondance et consulter un médecin pour plus de sécurité.
En cas d'inconscience, coucher et transporter la personne en position latérale stable.

Après contact avec la peau: Laver immédiatement à l'eau et au savon et bien rincer.

Après contact avec les yeux:
Rincer les yeux, pendant plusieurs minutes, sous l'eau courante en écartant bien les paupières. Si les troubles persistent, consulter un médecin.

Après ingestion: Ne pas faire vomir, demander d'urgence une assistance médicale.

4.2 Principaux symptômes et effets, aigus et différés
Pas d'autres informations importantes disponibles.

4.3 Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires
Pas d'autres informations importantes disponibles.

RUBRIQUE 5: Mesures de lutte contre l'incendie

5.1 Moyens d'extinction
Moyens d'extinction:
CO2, poudre d'extinction ou eau pulvérisée. Combattre les foyers importants avec de l'eau pulvérisée ou de la mousse résistant à l'alcool.

5.2 Dangers particuliers résultant de la substance ou du mélange
Pas d'autres informations importantes disponibles.

5.3 Conseils aux pompiers
Equipement spécial de sécurité: Aucune mesure particulière n'est requise.

RUBRIQUE 6: Mesures à prendre en cas de dispersion accidentelle

6.1 Précautions individuelles, équipement de protection et procédures d'urgence
Porter un équipement de sécurité. Eloigner les personnes non protégées.

6.2 Précautions pour la protection de l'environnement:
Diluer avec beaucoup d'eau.
Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.

6.3 Méthodes et matériel de confinement et de nettoyage:
Recueillir les liquides à l'aide d'un produit absorbant (sable, kieselguhr, neutralisant d'acide, liant universel, sciure).
Évacuer les matériaux contaminés en tant que déchets conformément au point 13.
Assurer une aération suffisante.

6.4 Référence à d'autres rubriques
Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.
Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.
Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

RUBRIQUE 7: Manipulation et stockage

7.1 Précautions à prendre pour une manipulation sans danger
Veiller à une bonne ventilation/aspiration du poste de travail.
Ouvrir et manipuler les récipients avec précaution.
Eviter la formation d’aérosols.

- Préventions des incendies et des explosions:
  Tenir à l’abri des sources d’inflammation - ne pas fumer.
  Tenir à l’abri de la chaleur.
  Prendre des mesures contre les charges électrostatiques.
  Tenir des appareils de protection respiratoire prêts.

- 7.2 Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités
  - Stockage:
  - Exigences concernant les lieux et conteneurs de stockage: Stocker dans un endroit frais.
  - Indications concernant le stockage commun: Pas nécessaire.
  - Autres indications sur les conditions de stockage:
    Tenir les emballages hermétiquement fermés.
    Stocker au frais et au sec dans des fûts bien fermés.
    Protéger de la forte chaleur et du rayonnement direct du soleil.

- 7.3 Utilisation(s) finale(s) particulière(s) Pas d'autres informations importantes disponibles.

RUBRIQUE 8: Contrôles de l'exposition/protection individuelle

- Indications complémentaires pour l'agencement des installations techniques:
  Sans autre indication, voir point 7.

- 8.1 Paramètres de contrôle
  - Composants présentant des valeurs-seuil à surveiller par poste de travail:
    Le produit ne contient pas en quantité significative des substances présentant des valeurs-seuil à surveiller par poste de travail.
  - Remarques supplémentaires:
    Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.

- 8.2 Contrôles de l'exposition
  - Equipement de protection individuel:
  - Mesures générales de protection et d’hygiène:
    Tenir à l’écart des produits alimentaires, des boissons et de la nourriture pour animaux.
    Retirer immédiatement les vêtements souillés ou humectés.
    Se laver les mains avant les pauses et en fin de travail.
    Conserver à part les vêtements de protection.
    Éviter tout contact avec les yeux et avec la peau.
  - Protection respiratoire:
    En cas d’exposition faible ou de courte durée, utiliser un filtre respiratoire; en cas d’exposition intense ou durable, utiliser un appareil de respiration indépendant de l’air ambiant.
  - Protection des mains:
    - Gants de protection

Le matériau des gants doit être imperméable et résistant au produit / à la substance / à la préparation.
A cause du manque de tests, aucune recommandation pour un matériau de gants pour le produit / la préparation / le mélange de produits chimiques ne peut être donnée.
Choix du matériau des gants en fonction des temps de pénétration, du taux de perméabilité et de la dégradation.

- Matériaux des gants
Le choix de gants appropriés dépend non seulement du matériau, mais aussi d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre. Puisque le produit représente une préparation composée de plusieurs substances, la résistance des matériaux des gants ne peut pas être calculée à l'avance et doit, alors, être contrôlée avant l'utilisation.
### RUBRIQUE 9: Propriétés physiques et chimiques

#### 9.1 Informations sur les propriétés physiques et chimiques essentielles

- **Aspect:**
  - Forme: Liquide
  - Couleur: Jaune clair
  - Odeur: Genre alcool
  - Seuil olfactif: Non déterminé.

- **valeur du pH:**
  Non déterminé.

- **Changement d'état**
  - Point de fusion/point de congélation: Non déterminé.
  - Point initial d'ébullition et intervalle d'ébullition: Non déterminé.

- **Point d'éclair:**
  16,6 °C

- **Inflammabilité (solide, gaz):**
  Non applicable.

- **Température d'inflammation:**
  Non déterminé.

- **Température d'auto-inflammabilité:**
  Le produit ne s'enflamme pas spontanément.

- **Propriétés explosives:**
  Le produit n'est pas explosif; toutefois, des mélanges explosifs vapeur-air peuvent se former.

- **Limites d'explosion:**
  - Inférieure: Non déterminé.
  - Supérieure: Non déterminé.

- **Pression de vapeur:**
  Non déterminé.

- **Densité:**
  Non déterminée.

- **Densité relative:**
  Non déterminé.

- **Densité de vapeur:**
  Non déterminé.

- **Taux d'évaporation:**
  Non déterminé.

- **Solubilité dans/miscibilité avec l'eau:**
  Entièrement miscible

- **Coefficient de partage: n-octanol/eau:**
  Non déterminé.

- **Viscosité:**
  - Dynamique: Non déterminé.
  - Cinématique: Non déterminé.

- **Teneur en solvants:**
  - Solvants organiques: 0,0 %
**Fiche de données de sécurité**
**selon 1907/2006/CE, Article 31**

Date d'impression : 29.08.2017
Révision: 29.08.2017

**Nom du produit:** Rosin Alcohol Stock, 10%

<table>
<thead>
<tr>
<th>VOC (CE)</th>
<th>0,00 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>· 9.2 Autres informations</td>
<td>Pas d'autres informations importantes disponibles.</td>
</tr>
</tbody>
</table>

**RUBRIQUE 10: Stabilité et réactivité**

- **10.1 Réactivité** Pas d'autres informations importantes disponibles.
- **10.2 Stabilité chimique**
- **Décomposition thermique/conditions à éviter:** Pas de décomposition en cas d'usage conforme.
- **10.3 Possibilité de réactions dangereuses** Aucune réaction dangereuse connue.
- **10.4 Conditions à éviter** Pas d'autres informations importantes disponibles.
- **10.5 Matières incompatibles:** Pas d'autres informations importantes disponibles.
- **10.6 Produits de décomposition dangereux:** Pas de produits de décomposition dangereux connus.

**RUBRIQUE 11: Informations toxicologiques**

- **11.1 Informations sur les effets toxicologiques**
  - **Toxicité aiguë**
    Toxique en cas d'ingestion.
- **Effet primaire d'irritation:**
  - **Corrosion cutanée/irritation cutanée**
    Provoque une irritation cutanée.
  - **Lésions oculaires graves/irritation oculaire**
    Provoque une sévère irritation des yeux.
  - **Sensibilisation respiratoire ou cutanée**
    Peut provoquer des symptômes allergiques ou d'asthme ou des difficultés respiratoires par inhalation.
    Peut provoquer une allergie cutanée.
- **Effets CMR (cancérogène, mutagène et toxique pour la reproduction)**
  - **Mutagénicité sur les cellules germinales**
    Susceptible d'induire des anomalies génétiques.
  - **Cancérogénicité** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
  - **Toxicité pour la reproduction**
    Susceptible de nuire à la fertilité ou au fœtus.
  - **Toxicité spécifique pour certains organes cibles - exposition unique**
    Risque présumé d'effets graves pour les organes.
  - **Toxicité spécifique pour certains organes cibles - exposition répétée**
    Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
  - **Danger par aspiration** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

**RUBRIQUE 12: Informations écologiques**

- **12.1 Toxicité**
  - **Toxicité aquatique:** Pas d'autres informations importantes disponibles.
- **12.2 Persistance et dégradabilité** Pas d'autres informations importantes disponibles.
- **12.3 Potentiel de bioaccumulation** Pas d'autres informations importantes disponibles.
- **12.4 Mobilité dans le sol** Pas d'autres informations importantes disponibles.
- **Autres indications écologiques:**
  - **Indications générales:**
    Catégorie de pollution des eaux 1 (D) (Classification propre): peu polluant
    Ne pas laisser le produit, non dilué ou en grande quantité, pénétrer la nappe phréatique, les eaux ou les canalisations.
**Nom du produit:** Rosin Alcohol Stock, 10%

12.5 **Résultats des évaluations PBT et VPvB**
- **PBT:** Non applicable.
- **VPvB:** Non applicable.

12.6 **Autres effets néfastes** Pas d’autres informations importantes disponibles.

---

**RUBRIQUE 13: Considérations relatives à l’élimination**

- **13.1 Méthodes de traitement des déchets**
  - **Recommandation:** Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts.
- **Emballages non nettoyés:**
  - **Recommandation:** Évacuation conformément aux prescriptions légales.
- **Produit de nettoyage recommandé:** Eau, éventuellement avec des produits de nettoyage

---

**RUBRIQUE 14: Informations relatives au transport**

- **14.1 Numéro ONU**
  - ADR, IMDG, IATA UN1987

- **14.2 Désignation officielle de transport de l’ONU**
  - **ADR**
    - 1987 ALCOOLS, N.S.A. (ÉTHANOL (ALCOOL ÉTHYLIQUE), MÉTHANOL)
  - **IMDG**
    - ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)
  - **IATA**
    - ALCOHOLS, N.O.S. (ETHANOL, METHANOL)

- **14.3 Classe(s) de danger pour le transport**
  - **ADR, IMDG, IATA**
    - **Classe**
    - 3 Liquides inflammables.
    - **Étiquette**
    - 3

- **14.4 Groupe d'emballage**
  - **ADR, IMDG, IATA**
    - II

- **14.5 Dangers pour l'environnement:**
  - **Non applicable.**

- **14.6 Précautions particulières à prendre par l'utilisateur**
  - **Attention:** Liquides inflammables.
  - **Indice Kemler:**
    - 33
  - **No EMS:**
    - F-E,S-D
  - **Stowage Category**
    - B

- **14.7 Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC**
  - **Non applicable.**

- **Indications complémentaires de transport:**
  - **ADR**
    - **Quantités limitées (LQ)**
      - 1L
    - **Quantités exceptées (EQ)**
      - Code: E2
      - Quantité maximale nette par emballage intérieur: 30 ml
      - Quantité maximale nette par emballage extérieur: 500 ml

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(suite page 8)
Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 29.08.2017
Révision: 29.08.2017

Nom du produit: Rosin Alcohol Stock, 10%

(suite de la page 7)

<table>
<thead>
<tr>
<th>· Catégorie de transport</th>
<th>ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Code de restriction en tunnels</td>
<td>2</td>
</tr>
<tr>
<td>· IMDG</td>
<td>D/E</td>
</tr>
<tr>
<td>· Limited quantities (LQ)</td>
<td>1L</td>
</tr>
<tr>
<td>· Excepted quantities (EQ)</td>
<td>Code: E2</td>
</tr>
</tbody>
</table>

Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

· "Règlement type" de l’ONU:  
UN 1987 ALCOOLS, N.S.A. (ÉTHANOL (ALCOOL ÉTHYLIQUE), MÉTHANOL), 3, II

RUBRIQUE 15: Informations relatives à la réglementation

· 15.1 Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement
· Directive 2012/18/UE
· Substances dangereuses désignées - ANNEXE I Aucun des composants n’est compris.
· Catégorie SEVESO
  H2 TOXICITÉ AIGUË
  P5c LIQUIDES INFLAMMABLES
· Quantité seuil (tonnes) pour l’application des exigences relatives au seuil bas 50 t
· Quantité seuil (tonnes) pour l’application des exigences relatives au seuil haut 200 t
· RÈGLEMENT (CE) N° 1907/2006 ANNEXE XVII Conditions de limitation: 3
· 15.2 Évaluation de la sécurité chimique: Une évaluation de la sécurité chimique n’a pas été réalisée.

RUBRIQUE 16: Autres informations

Ces indications sont fondées sur l'état actuel de nos connaissances, mais ne constituent pas une garantie quant aux propriétés du produit et ne donnent pas lieu à un rapport juridique contractuel.

· Acronymes et abréviations:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  VOC: Volatile Organic Compounds (USA, EU)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  Flam. Liq. 2: Liquides inflammables – Catégorie 2
  Acute Tox. 3: Toxicité aiguë – Catégorie 3
  Skin Irrit. 2: Corrosion cutanée/irritation cutanée – Catégorie 2
  Eye Irrit. 2: Lésions oculaires graves/irritation oculaire – Catégorie 2
  Resp. Sens. 1B: Sensibilisation respiratoire – Catégorie 1B
  Skin Sens. 1: Sensibilisation cutanée – Catégorie 1
  Mut. 2: Mutagénicité sur les cellules germinales – Catégorie 2
  Resp. 2: Toxicité pour la reproduction – Catégorie 2
  STOT SE 2: Toxicité spécifique pour certains organes cibles (exposition unique) – Catégorie 2
ABSCHNITT 1: Bezeichnung des Stoffs beziehungsweise des Gemischs und des Unternehmens

1.1 Produktidentifikator

Handelsname: Rosin Alcohol Stock, 10%

1.2 Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird

Keine weiteren relevanten Informationen verfügbar.

1.3 Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

Hersteller/Lieferant:
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: sgkck@aol.com
www.emsdiasum.com

Science Services GmbH
Unterhachinger Str. 75
81737 München Germany

Tel: +49(0)89 18 93 668-0
safety@scienceservices.de

Deutschland: +49 (0)89 19240, 24h Giftnotruf München, www.toxinfo.org
Österreich: +43 1406 43 43, Gesundheit Österreich GmbH, 24 h

1.4 Notrufnummer:
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

ABSCHNITT 2: Mögliche Gefahren

2.1 Einstufung des Stoffs oder Gemischs

Einstufung gemäß Verordnung (EG) Nr. 1272/2008

GHS02 Flamme

Flam. Liq. 2 H225 Flüssigkeit und Dampf leicht entzündbar.

GHS06 Totenkopf mit gekreuzten Knochen

Acute Tox. 3 H301 Giftig bei Verschlucken.

GHS08 Gesundheitsgefahr

Resp. Sens. 1B H334 Kann bei Einatmen Allergie, asthmaartige Symptome oder Atembeschwerden verursachen.

(Fortsetzung auf Seite 2)
Handelsname: Rosin Alcohol Stock, 10%

Muta. 2  H341  Kann vermutlich genetische Defekte verursachen.
Repr. 2  H361  Kann vermutlich die Fruchtbarkeit beeinträchtigen oder das Kind im Mutterleib schädigen.
STOT SE 2  H371  Kann die Organe schädigen.

GHS07
Skin Irrit. 2  H315  Verursacht Hautreizungen.
Eye Irrit. 2  H319  Verursacht schwere Augenreizung.
Skin Sens. 1  H317  Kann allergische Hautreaktionen verursachen.
STOT SE 3  H335  Kann die Atemwege reizen.

2.2 Kennzeichnungselemente
Kennzeichnung gemäß Verordnung (EG) Nr. 1272/2008
Das Produkt ist gemäß CLP-Verordnung eingestuft und gekennzeichnet.

Gefahrenpiktogramme

- Signalwort Gefahr
- Gefahrbestimmende Komponenten zur Etikettierung:
  Kolophonium
  Methanol
- Gefahrenhinweise
  H225 Flüssigkeit und Dampf leicht entzündbar.
  H301 Giftig bei Verschlucken.
  H315 Verursacht Hautreizungen.
  H319 Verursacht schwere Augenreizung.
  H334 Kann bei Einatmen Allergie, asthmatisartige Symptome oder Atembeschwerden verursachen.
  H317 Kann allergische Hautreaktionen verursachen.
  H341 Kann vermutlich genetische Defekte verursachen.
  H361 Kann vermutlich die Fruchtbarkeit beeinträchtigen oder das Kind im Mutterleib schädigen.
  H371 Kann die Organe schädigen.
  H335 Kann die Atemwege reizen.
- Sicherheitshinweise
  P301+P310 BEI VERSCHLUCKEN: Sofort GIFTINFORMATIONSZENTRUM/Arzt anrufen.
  P321 Besondere Behandlung (siehe auf diesem Kennzeichnungsetikett).
  P405 Unter Verschluss aufbewahren.

2.3 Sonstige Gefahren
Ergebnisse der PBT- und vPvB-Beurteilung
PBT: Nicht anwendbar.
**ABSCHNITT 3: Zusammensetzung/Angaben zu Bestandteilen**

- **3.2 Chemische Charakterisierung: Gemische**
- **Beschreibung:** Gemisch aus nachfolgend angeführten Stoffen mit ungefährlichen Beimengungen.
- **Gefährliche Inhaltsstoffe:** entfällt
- **Zusätzliche Hinweise:** Der Wortlaut der angeführten Gefahrenhinweise ist dem Abschnitt 16 zu entnehmen.

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**ABSCHNITT 4: Erste-Hilfe-Maßnahmen**

- **4.1 Beschreibung der Erste-Hilfe-Maßnahmen**
  - **Allgemeine Hinweise:** Mit Produkt verunreinigte Kleidungsstücke unverzüglich entfernen. Bei unregelmäßiger Atmung oder Atemstillstand künstliche Beatmung.
  - **Nach Einatmen:** Reichlich Frischluftzufuhr und sicherheitshalber Arzt aufsuchen. Bei Bewußtlosigkeit Lagerung und Transport in stabiler Seitenlage.
  - **Nach Hautkontakt:** Sofort mit Wasser und Seife abwaschen und gut nachspülen.
  - **Nach Augenkontakt:** Augen mehrere Minuten bei geöffnetem Lidspalt unter fließendem Wasser spülen. Bei anhaltenden Beschwerden Arzt konsultieren.
  - **Nach Verschlucken:** Kein Erbrechen herbeiführen, sofort Arzthilfe zuziehen.
  - **4.2 Wichtigste akute und verzögert auftretende Symptome und Wirkungen** Keine weiteren relevanten Informationen verfügbar.
  - **4.3 Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung** Keine weiteren relevanten Informationen verfügbar.

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**ABSCHNITT 5: Maßnahmen zur Brandbekämpfung**

- **5.1 Löschmittel**
  - **Geeignete Löschmittel:** CO2, Löschpulver oder Wassersprühstrahl. Größeren Brand mit Wassersprühstrahl oder alkoholbeständigem Schaum bekämpfen.
- **5.2 Besondere vom Stoff oder Gemisch ausgehende Gefahren** Keine weiteren relevanten Informationen verfügbar.
- **5.3 Hinweise für die Brandbekämpfung**
  - **Besondere Schutzausrüstung:** Keine besonderen Maßnahmen erforderlich.

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**ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung**

- **6.1 Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren** Schutzausrüstung tragen. Ungeschützte Personen fernhalten.
- **6.2 Umweltschutzmaßnahmen:** Mit viel Wasser verdünnen. Nicht in die Kanalisation/Oberflächenwasser/Grundwasser gelangen lassen.

(Fortsetzung auf Seite 4)
**ABSCHNITT 7: Handhabung und Lagerung**

- **7.1 Schutzmaßnahmen zur sicheren Handhabung**
- **Hinweise zum Brand- und Explosionsschutz:**
- **7.2 Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten**
  - Lagerung:
    - Anforderung an Lagerräume und Behälter: An einem kühlen Ort lagern.
    - Zusammenlagerungshinweise: Nicht erforderlich.
  - Weitere Angaben zu den Lagerbedingungen:
    - Behälter dicht geschlossen halten. In gut verschlossenen Gebinden kühl und trocken lagern. Vor Hitze und direkter Sonnenbestrahlung schützen.
  - Lagerklasse:
    - Klassifizierung nach Betriebssicherheitsverordnung (BetrSichV): Entzündbare Flüssigkeiten

- **7.3 Spezifische Endanwendungen**
  Keine weiteren relevanten Informationen verfügbar.

**ABSCHNITT 8: Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen**

- **Zusätzliche Hinweise zur Gestaltung technischer Anlagen:** Keine weiteren Angaben, siehe Abschnitt 7.
- **8.1 Zu überwachende Parameter**
  - Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:
    Das Produkt enthält keine relevanten Mengen von Stoffen mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten.
  - **Zusätzliche Hinweise:** Als Grundlage dienten die bei der Erstellung gültigen Listen.
- **8.2 Begrenzung und Überwachung der Exposition**
  - Persönliche Schutzausrüstung:
    - Allgemeine Schutz- und Hygienemaßnahmen:
    - **Atemschutz:**
      Bei kurzzeitiger oder geringer Belastung Atemfiltergerät; bei intensiver bzw. längerer Exposition umluftunabhängiges Atemschutzgerät verwenden.
Handelsname: Rosin Alcohol Stock, 10%

(Fortsetzung von Seite 4)

· **Handschutz:**

  Schutzhandschuhe


· **Handschuhmaterial**

  Die Auswahl eines geeigneten Handschuhs ist nicht nur vom Material, sondern auch von weiteren Qualitätsmerkmalen abhängig und von Hersteller zu Hersteller unterschiedlich. Da das Produkt eine Zubereitung aus mehreren Stoffen darstellt, ist die Beständigkeit von Handschuhmaterialen nicht vorausberechenbar und muß deshalb vor dem Einsatz überprüft werden.

· **Durchdringungszeit des Handschuhmaterials**

  Die genaue Durchbruchzeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.

· **Augenschutz:**

  Dichtschließende Schutzbrille

---

**ABSCHNITT 9: Physikalische und chemische Eigenschaften**

· 9.1 Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

· Allgemeine Angaben

  · Aussehen: Flüssigkeit
  · Form:
  · Farbe: Hellgelb
  · Geruch: Alkoholartig
  · Geruchsschwelle: Nicht bestimmt.

  · pH-Wert: Nicht bestimmt.

· Zustandsänderung

  · Schmelzpunkt/Gefrierpunkt: Nicht bestimmt.
  · Siedebeginn und Siedebereich: Nicht bestimmt.

· Flammpunkt: 16,6 °C

· Entzündbarkeit (fest, gasförmig): Nicht anwendbar.

· Zündtemperatur:

  · Zersetzungstemperatur: Nicht bestimmt.
  · Selbstzündungstemperatur: Das Produkt ist nicht selbstentzündlich.

· Explosive Eigenschaften:

  Das Produkt ist nicht explosionsgefährlich, jedoch ist die Bildung explosionsgefährlicher Dampf-/Luftgemische möglich.

· Explosionsgrenzen:

  · Untere: Nicht bestimmt.
  · Obere: Nicht bestimmt.

(Fortsetzung auf Seite 6)
Handelsname: Rosin Alcohol Stock, 10%

<table>
<thead>
<tr>
<th>Eigenschaft</th>
<th>Wert</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Dampfdruck:</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>· Dichte:</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>· Relative Dichte</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>· Dampfdichte</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>· Verdampfungsgeschwindigkeit</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>· Löslichkeit in / Mischbarkeit mit Wasser</td>
<td>Vollständig mischbar.</td>
</tr>
<tr>
<td>· Verteilungskoeffizient: n-Octanol/Wasser</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>· Viskosität:</td>
<td></td>
</tr>
<tr>
<td>Dynamisch</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Kinematisch</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>· Lösungsmittelgehalt:</td>
<td></td>
</tr>
<tr>
<td>Organische Lösungsmittel</td>
<td>0,0 %</td>
</tr>
<tr>
<td>VOC (EU)</td>
<td>0,00 %</td>
</tr>
<tr>
<td>· 9.2 Sonstige Angaben</td>
<td>Keine weiteren relevanten Informationen verfügbar.</td>
</tr>
</tbody>
</table>

**ABSCHNITT 10: Stabilität und Reaktivität**

- **10.1 Reaktivität**: Keine weiteren relevanten Informationen verfügbar.
- **10.2 Chemische Stabilität**
  - Thermische Zersetzung / zu vermeidende Bedingungen:
    Keine Zersetzung bei bestimmungsgemäßer Verwendung.
- **10.3 Möglichkeit gefährlicher Reaktionen**: Keine gefährlichen Reaktionen bekannt.
- **10.4 Zu vermeidende Bedingungen**: Keine weiteren relevanten Informationen verfügbar.
- **10.5 Unverträgliche Materialien**: Keine weiteren relevanten Informationen verfügbar.
- **10.6 Gefährliche Zersetzungsprodukte**: Keine gefährlichen Zersetzungsprodukte bekannt.

**ABSCHNITT 11: Toxikologische Angaben**

- **11.1 Angaben zu toxikologischen Wirkungen**
- **Akute Toxizität**
  - Giftig bei Verschlucken.
- **Primäre Reizwirkung:**
  - Ätz-/Reizwirkung auf die Haut
  - Verursacht Hautreizungen.
- **Schwere Augenschädigung/-reizung**
  - Verursacht schwere Augenreizung.
- **Sensibilisierung der Atemwege/Haut**
  - Kann bei Einatmen Allergie, asthmatischen Symptome oder Atembeschwerden verursachen.
  - Kann allergische Hautreaktionen verursachen.
- **CMR-Wirkungen (krebsverursagende, erbgueterändernde und fortpflanzungsgefährdende Wirkung)**
  - Keimzellan-Mutagenität
  - Kann vermutlich genetische Defekte verursachen.
  - Karzinogenität
  - Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Reproduktionstoxizität
  - Kann vermutlich die Fruchtbarkeit beeinträchtigen oder das Kind im Mutterleib schädigen.
- **Spezifische Zielorgan-Toxizität bei einmaliger Exposition**
  - Kann die Organe schädigen.
Handelsname: Rosin Alcohol Stock, 10%

**ABSCHNITT 12: Umweltbezogene Angaben**

- 12.1 Toxizität
  - Aquatische Toxizität: Keine weiteren relevanten Informationen verfügbar.
- 12.2 Persistenz und Abbaubarkeit: Keine weiteren relevanten Informationen verfügbar.
- 12.3 Bioakkumulationspotenzial: Keine weiteren relevanten Informationen verfügbar.
- 12.4 Mobilität im Boden: Keine weiteren relevanten Informationen verfügbar.
- Weitere ökologische Hinweise:
- 12.5 Ergebnisse der PBT- und vPvB-Beurteilung
  - PBT: Nicht anwendbar.
  - vPvB: Nicht anwendbar.
- 12.6 Andere schädliche Wirkungen: Keine weiteren relevanten Informationen verfügbar.

**ABSCHNITT 13: Hinweise zur Entsorgung**

- 13.1 Verfahren der Abfallbehandlung
- Ungereinigte Verpackungen:
  - Empfehlung: Entsorgung gemäß den behördlichen Vorschriften.

**ABSCHNITT 14: Angaben zum Transport**

- 14.1 UN-Nummer: ADR, IMDG, IATA
  - UN1987
- 14.2 Ordnungsgemäße UN-Versandbezeichnung
  - ADR: 1987 ALKOHOLE, N.A.G. (ETHANOL (ETHYLALKOHOL), METHANOL)
  - IMDG: ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)
  - IATA: ALCOHOLS, N.O.S. (ETHANOL, METHANOL)
- 14.3 Transportgefährklassen
  - ADR, IMDG, IATA
  - Klasse: 3 Entzündbare flüssige Stoffe
  - Gefahrzettel: 3

(Fortsetzung auf Seite 8)


ABSCHNITT 15: Rechtsvorschriften

15.1 Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch

- Richtlinie 2012/18/EU
- Namentlich aufgeführte gefährliche Stoffe - ANHANG I Keiner der Inhaltsstoffe ist enthalten.
- Seveso-Kategorie
  - H2 AKUT TOXISCH
  - P5c ENTZÜNDBARE FLÜSSIGKEITEN
- Mengenschwelle (in Tonnen) für die Anwendung in Betrieben der unteren Klasse 50 t
- Mengenschwelle (in Tonnen) für die Anwendung in Betrieben der oberen Klasse 200 t
- VERORDNUNG (EG) Nr. 1907/2006 ANHANG XVII Beschränkungsbedingungen: 3

- Nationale Vorschriften:
- Wassergefährdungsklasse: WGK 1 (Selbsteinstufung): schwach wassergefährdend.

- Sonstige Vorschriften, Beschränkungen und Verbotsverordnungen
  Das Produkt unterliegt der Anlage 2 der Chemikalienverbotsverordnung (ChemVerbotsV) - Anforderungen in Bezug auf die Abgabe

- 15.2 Stoffsicherheitsbeurteilung: Eine Stoffsicherheitsbeurteilung wurde nicht durchgeführt.
ABSCHNITT 16: Sonstige Angaben

Die Angaben stützen sich auf den heutigen Stand unserer Kenntnisse, sie stellen jedoch keine Zusicherung von Produkteigenschaften dar und begründen kein vertragliches Rechtsverhältnis.

· Abkürzungen und Akronyme:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Entzündbare Flüssigkeiten – Kategorie 2
Acute Tox. 3: Akute Toxizität – Kategorie 3
Skin Irrit. 2: Hautreizende/-ätzende Wirkung – Kategorie 2
Eye Irrit. 2: Schwere Augenschädigung/Augenreizung – Kategorie 2
Resp. Sens. 1B: Sensibilisierung der Atemwege – Kategorie 1B
Skin Sens. 1: Sensibilisierung der Haut – Kategorie 1
Muta. 2: Keimzellantigenität – Kategorie 2
Repr. 2: Reproduktionstoxizität – Kategorie 2
STOT SE 2: Spezifische Zielorgan-Toxizität (einmalige Exposition) – Kategorie 2
SEZIONE 1: Identificazione della sostanza o della miscela e della società/impresa

1.1 Identificatore del prodotto

Denominazione commerciale: Rosin Alcohol Stock, 10%

Articolo numero: 20550-05

1.2 Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati

Non sono disponibili altre informazioni.

Utilizzazione della Sostanza / del Preparato

Prodotti chimici per laboratorio

1.3 Informazioni sul fornitore della scheda di dati di sicurezza

Produttore/fornitore:
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400  Fax: 215-412-8450
email: sgkck@aol.com
www.emsdiasum.com

Società Italiana Chimici
Via Rio Nell Ellba 140
00138 Rome, Italy
Tel: 39 06 8800211
Fax: 39 30 06 8815313
Web: www.sichim.com

Informazioni fornite da: Product safety department

1.4 Numero telefonico di emergenza:
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

SEZIONE 2: Identificazione dei pericoli

2.1 Classificazione della sostanza o della miscela

Classificazione secondo il regolamento (CE) n. 1272/2008

GHS02 fiamma

Flam. Liq. 2 H225 Liquido e vapori facilmente infiammabili.

GHS06 teschio e tibie incrociate

Acute Tox. 3 H301 Tossico se ingerito.

GHS08 pericolo per la salute

Resp. Sens. 1B H334 Può provocare sintomi allergici o asmatici o difficoltà respiratorie se inalato.

Muta. 2 H341 Sospettato di provocare alterazioni genetiche.

Repr. 2 H361 Sospettato di nuocere alla fertilità o al feto.

STOT SE 2 H371 Può provocare danni agli organi.

GHS07

(continua a pagina 2)
Denominazione commerciale: Rosin Alcohol Stock, 10%

(Segue da pagina 1)
SEZIONE 4: Misure di primo soccorso

- 4.1 Descrizione delle misure di primo soccorso
- Indicazioni generali:
  Allontanare immediatamente gli abiti contaminati dal prodotto.
  In caso di respirazione irregolare o di blocco respiratorio praticare la respirazione artificiale.
- Inalazione:
  Portare il soggetto in zona molto ben areata e per sicurezza consultare un medico.
  Se il soggetto è svenuto provvedere a tenerlo durante il trasporto in posizione stabile su un fianco.
- Contatto con la pelle:
  Lavare immediatamente con acqua e sapone sciacquando accuratamente.
- Contatto con gli occhi:
  Lavare con acqua corrente per diversi minuti tenendo le palpebre ben aperte Se persiste il dolore consultare il medico.
- Ingestione:
  Non provocare il vomito, chiamare subito il medico.
- 4.2 Principali sintomi ed effetti, sia acuti che ritardati
  Non sono disponibili altre informazioni.
- 4.3 Indicazione dell’eventuale necessità di consultare immediatamente un medico e di trattamenti speciali
  Non sono disponibili altre informazioni.

SEZIONE 5: Misure antincendio

- 5.1 Mezzi di estinzione
- Mezzi di estinzione idonei:
  CO2, polvere o acqua nebulizzata. Estinguere gli incendi di grosse dimensioni con acqua nebulizzata o con schiuma resistente all’alcool.
- 5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela
  Non sono disponibili altre informazioni.
- 5.3 Raccomandazioni per gli addetti all’estinzione degli incendi
- Mezzi protettivi specifici: Non sono richiesti provvedimenti particolari.

SEZIONE 6: Misure in caso di rilascio accidentale

- 6.1 Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza
  Indossare equipaggiamento protettivo. Allontanare le persone non equipaggiate.
- 6.2 Precauzioni ambientali:
  Diluire abbondantemente con acqua.
  Impedire infiltrazioni nella fognatura/nelle acque superficiali/nelle acque freatiche.
- 6.3 Metodi e materiali per il contenimento e per la bonifica:
  Raccogliere il liquido con materiale assorbente (sabbia, tripoli, legante di acidi, legante universale, segatura).
  Smaltimento del materiale contaminato conformemente al punto 13.
  Provvedere ad una sufficiente areazione.
- 6.4 Riferimento ad altre sezioni
  Per informazioni relative ad un manipolazione sicura, vedere capitolo 7.
  Per informazioni relative all’equipaggiamento protettivo ad uso personale vedere Capitolo 8.
  Per informazioni relative allo smaltimento vedere Capitolo 13.

SEZIONE 7: Manipolazione e immagazzinamento

- 7.1 Precauzioni per la manipolazione sicura
  Accurata ventilazione/aspirazione nei luoghi di lavoro.
  Aprire e manipolare i recipienti con cautela.
Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Denominazione commerciale: Rosin Alcohol Stock, 10%

Evitare la formazione di aerosol.
- Indicazioni in caso di incendio ed esplosione:
  Tenere lontano da fonti di calore, non fumare.
  Proteggere dal calore.
  Adottare provvedimenti contro cariche elettrostatiche.
  Tener pronto il respiratore.

- 7.2 Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità
- Stoccaggio:
  - Requisiti dei magazzini e dei recipienti: Conservare in ambiente fresco.
  - Indicazioni sullo stoccaggio misto: Non necessario.
  - Ulteriori indicazioni relative alle condizioni di immagazzinamento:
    Mantenere i recipienti ermeticamente chiusi.
    Conservare in luogo fresco e asciutto in fusti ben chiusi.
    Proteggere dal calore e dai raggi diretti del sole.
- 7.3 Usi finali particolari Non sono disponibili altre informazioni.

SEZIONE 8: Controllo dell'esposizione/protezione individuale

- Ulteriori indicazioni sulla struttura di impianti tecnici: Nessun dato ulteriore, vedere punto 7.

- 8.1 Parametri di controllo
- Componenti i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro:
  Il prodotto non contiene quantità rilevanti di sostanze i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro.
- Ulteriori indicazioni: Le liste valide alla data di compilazione sono state usate come base.

- 8.2 Controlli dell'esposizione
- Mezzi protettivi individuali:
  - Norme generali protettive e di igiene del lavoro:
    Tenere lontano da cibo, bevande e foraggi.
    Togliere immediatamente gli abiti contaminati.
    Lavarsi le mani prima dell'intervallo o a lavoro terminato.
    Custodire separatamente l'equipaggiamento protettivo.
    Evitare il contatto con gli occhi e la pelle.
  - Maschera protettiva:
    Nelle esposizioni brevi e minime utilizzare la maschera; nelle esposizioni più intense e durature indossare l'aurorespiratore.
  - Guanti protettivi:

  Guanti protettivi

  Il materiale dei guanti deve essere impermeabile e stabile contro il prodotto/la sostanza/la formulazione.
  A causa della mancanza di tests non può essere consigliato alcun tipo di materiale per i guanti con cui manipolare il prodotto / la formulazione / la miscela di sostanze chimiche.
  Scelta del materiale dei guanti in considerazione dei tempi di passaggio, dei tassi di permeazione e della degradazione.
- Materiale dei guanti
  La scelta dei guanti adatti non dipende soltanto dal materiale bensì anche da altre caratteristiche di qualità variabili da un produttore a un altro. Poiché il prodotto rappresenta una formulazione di più sostanze, la stabilità dei materiali dei guanti non è calcolabile in anticipo e deve essere testata prima dell’impiego.
- Tempo di permeazione del materiale dei guanti
  Richiedere dal fornitore dei guanti il tempo di passaggio preciso il quale deve essere rispettato.
**SEZIONE 9: Proprietà fisiche e chimiche**

<table>
<thead>
<tr>
<th>Informazioni sulla proprietà fisiche e chimiche fondamentali</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indicazioni generali</td>
</tr>
<tr>
<td>Aspetto:</td>
</tr>
<tr>
<td>Forma: Liquido</td>
</tr>
<tr>
<td>Colore: Giallo chiaro</td>
</tr>
<tr>
<td>Odore: Simile all'alcool</td>
</tr>
<tr>
<td>Soglia olfattiva: Non definito.</td>
</tr>
<tr>
<td>Valori di pH: Non definito.</td>
</tr>
<tr>
<td>Cambiamento di stato</td>
</tr>
<tr>
<td>Punto di fusione/punto di congelamento: Non definito.</td>
</tr>
<tr>
<td>Punto di ebollizione iniziale e intervallo di ebollizione: Non definito.</td>
</tr>
<tr>
<td>Punto di infiammabilità: 16,6 °C</td>
</tr>
<tr>
<td>Infiammabilità (solidi, gas): Non applicabile.</td>
</tr>
<tr>
<td>Temperatura di accensione:</td>
</tr>
<tr>
<td>Temperatura di decomposizione: Non definito.</td>
</tr>
<tr>
<td>Temperatura di autoaccensione: Prodotto non autoinflammabile.</td>
</tr>
<tr>
<td>Proprietà esplosive: Prodotto non è esplosivo, è tuttavia possibile la formazione di miscele di vapore/aria esplosive.</td>
</tr>
<tr>
<td>Limiti di infiammabilità:</td>
</tr>
<tr>
<td>Inferiore: Non definito.</td>
</tr>
<tr>
<td>Superiore: Non definito.</td>
</tr>
<tr>
<td>Tensione di vapore: Non definito.</td>
</tr>
<tr>
<td>Densità: Non definito.</td>
</tr>
<tr>
<td>Densità relativa: Non definito.</td>
</tr>
<tr>
<td>Densità di vapore: Non definito.</td>
</tr>
<tr>
<td>Velocità di evaporazione: Non definito.</td>
</tr>
<tr>
<td>Solubilità in/Miscibilità con acqua: Completamente miscibile.</td>
</tr>
<tr>
<td>Coefficiente di ripartizione: n-ottanolo/acqua: Non definito.</td>
</tr>
<tr>
<td>Viscosità:</td>
</tr>
<tr>
<td>Dinamica: Non definito.</td>
</tr>
<tr>
<td>Cinemica: Non definito.</td>
</tr>
<tr>
<td>Tenore del solvente:</td>
</tr>
<tr>
<td>Solventi organici: 0,0 %</td>
</tr>
<tr>
<td>VOC (CE): 0,00 %</td>
</tr>
</tbody>
</table>

(continua a pagina 6)
Denominazione commerciale: Rosin Alcohol Stock, 10%

SEZIONE 10: Stabilità e reattività

- 10.1 Reattività Non sono disponibili altre informazioni.
- 10.2 Stabilità chimica
- Decomposizione termica/condizioni da evitare: Il prodotto non si decompone se utilizzato secondo le norme.
- 10.3 Possibilità di reazioni pericolose Non sono note reazioni pericolose.
- 10.4 Condizioni da evitare Non sono disponibili altre informazioni.
- 10.5 Materiali incompatibili: Non sono disponibili altre informazioni.
- 10.6 Prodotti di decomposizione pericolosi: Non sono noti prodotti di decomposizione pericolosi.

SEZIONE 11: Informazioni tossicologiche

- 11.1 Informazioni sugli effetti tossicologici
  - Tossicità acuta
    Tossico se ingerito.
  - Irritabilità primaria:
    - Corrosione/irritazione cutanea
      Provoca irritazione cutanea.
  - Lesioni oculari gravi/irritazioni oculari gravi
    Provoca grave irritazione oculare.
  - Sensibilizzazione respiratoria o cutanea
    Può provocare sintomi allergici o asmatici o difficoltà respiratorie se inalato.
    Può provocare una reazione allergica cutanea.
  - Effetti CMR (cancerogenicità, mutagenicità e tossicità per la riproduzione)
    - Mutagenicità delle cellule germinali
      Sospettato di provocare alterazioni genetiche.
    - Cancerogenicità Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
    - Tossicità per la riproduzione
      Sospettato di nuocere alla fertilità o al feto.
    - Tossicità specifica per organi bersaglio (STOT) - esposizione singola
      Può provocare danni agli organi.
    - Tossicità specifica per organi bersaglio (STOT) - esposizione ripetuta
      Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
    - Pericolo in caso di aspirazione Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.

SEZIONE 12: Informazioni ecologiche

- 12.1 Tossicità
  - Tossicità acquatica: Non sono disponibili altre informazioni.
- 12.2 Persistenza e degradabilità Non sono disponibili altre informazioni.
- 12.3 Potenziale di bioaccumulo Non sono disponibili altre informazioni.
- 12.4 Mobilità nel suolo Non sono disponibili altre informazioni.
- Ulteriori indicazioni in materia ambientale:
- Ulteriori indicazioni:
  Pericolosità per le acque classe 1 (D) (Autoclassificazione): poco pericoloso
  Non immettere nelle acque freatiche, nei corsi d'acqua o nelle fognature non diluito o in grandi quantità.
- 12.5 Risultati della valutazione PBT e vPvB
  - PBT: Non applicabile.
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- vPvB: Non applicabile.
- 12.6 Altri effetti avversi: Non sono disponibili altre informazioni.

SEZIONE 13: Considerazioni sullo smaltimento

- 13.1 Metodi di trattamento dei rifiuti
  - Consigli: Non smaltire il prodotto insieme ai rifiuti domestici. Non immettere nelle fognature.
  - Imballaggi non puliti:
    - Consigli: Smaltimento in conformità con le disposizioni amministrative.
    - Detergente consigliato: Acqua eventualmente con l’aggiunta di detersivi.

SEZIONE 14: Informazioni sul trasporto

- 14.1 Numero ONU
  - ADR, IMDG, IATA: UN1987

- 14.2 Nome di spedizione dell’ONU
  - ADR: 1987 ALCOLI, N.A.S. (ETANOLO (ALCOL ETILICO), METANOLO)
  - IMDG: ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)
  - IATA: ALCOHOLS, N.O.S. (ETHANOL, METHANOL)

- 14.3 Classi di pericolo connesso al trasporto
  - ADR, IMDG, IATA
    - Classe: 3 Liquidi infiammabili
    - Etichetta: 3

- 14.4 Gruppo di imballaggio
  - ADR, IMDG, IATA: II

- 14.5 Pericoli per l’ambiente:
  - Non applicabile.

- 14.6 Precauzioni speciali per gli utilizzatori
  - Numero Kemler: 33
  - Numero EMS: F-E,S-D
  - Stowage Category: B

- 14.7 Trasporto di rinfuse secondo l’allegato II di MARPOL ed il codice IBC
  - Non applicabile.

- Trasporto/ulteriori indicazioni:
  - ADR
    - Quantità limitate (LQ): 1L
    - Quantità esenti (EQ): Codice: E2
    - Quantità massima netta per imballaggio interno: 30 ml
    - Quantità massima netta per imballaggio esterno: 500 ml
    - Categoria di trasporto: 2

(continua a pagina 8)
Denominazione commerciale: Rosin Alcohol Stock, 10%

(Segue da pagina 7)

- Codice di restrizione in galleria: D/E
- IMDG
- Limited quantities (LQ): 1L
  Code: E2
  Maximum net quantity per inner packaging: 30 ml
  Maximum net quantity per outer packaging: 500 ml
- Excepted quantities (EQ)
- UN "Model Regulation": UN 1987 ALCOLI, N.A.S. (ETANOLO (ALCOL ETILICO), METANOLO), 3, II

SEZIONE 15: Informazioni sulla regolamentazione

- 15.1 Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela
  - Direttiva 2012/18/UE
  - Sostanze pericolose specificate - ALLEGATO I Nessuno dei componenti è contenuto.
  - Categoria Seveso
    - H2 TOSSICITÀ ACUTA
    - P5c LIQUIDI INFIAMMABILI
  - Quantità limite (tonnellate) ai fini dell'applicazione dei requisiti di soglia inferiore 50 t
  - Quantità limite (tonnellate) ai fini dell'applicazione dei requisiti di soglia superiore 200 t
  - REGOLAMENTO (CE) n. 1907/2006 ALLEGATO XVII Restrizioni: 3

- 15.2 Valutazione della sicurezza chimica: Una valutazione della sicurezza chimica non è stata effettuata.

SEZIONE 16: Altre informazioni

I dati sono riportati sulla base delle nostre conoscenze attuali, non rappresentano tuttavia alcuna garanzia delle caratteristiche del prodotto e non motivano alcun rapporto giuridico contrattuale.

- Abbreviazioni e acronimi:
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
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  - EINECS: European Inventory of Existing Commercial Chemical Substances
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  - VOC: Volatile Organic Compounds (USA, EU)
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  - Acute Tox. 3: Tossicità acuta – Categoria 3
  - Skin Irrit. 2: Corrosione/irritazione della pelle – Categoria 2
  - Eye Irrit. 2: Gravi lesioni oculari/irritazione oculare – Categoria 2
  - Resp. Sens. 1B: Sensibilizzazione delle vie respiratorie – Categoria 1B
  - Skin Sens. 1: Sensibilizzazione della pelle – Categoria 1
  - Mut. 2: Mutagenicità sulle cellule germinali – Categoria 2
  - Repr. 2: Tossicità per la riproduzione – Categoria 2
  - STOT SE 2: Tossicità specifica per organi bersaglio (esposizione singola) – Categoria 2
물질안전보건자료
GHS에 따라

1 화학제품과 회사에 관한 정보

- 제조 식별자
  - 제조명: Rosin Alcohol Stock, 10%
  - 상품번호: 20550-05
- 해당 순열규범이나 혼합물의 관련 화학물질 및 사용금지물질 추가적인 정보가 존재하지 않습니다.
- 재료의 권고 용도와 사용상의 제한: 실험 식화학품
- 안전데이터표(Safety Data Sheet)내 공급업체 관련 상세 정보
- 제조사/수입자/유통업자 정보:
  Electron Microscopy Sciences
  1560 Industry Road
  USA-Hatfield, PA 19440
  Tel: 215-412-8400  Fax: 215-412-8450
  email: sgkck@aol.com
  www.emsdiasum.com
  Samchang Commercial Co., Ltd.
  Yeo Eui Do
  PO Box 1110
  Seoul, Korea
  Tel: 82 2 703 3040
  Fax: 82 2 717 3298

- 추가적인 정보 획득 가능: Product safety department
- 비상연락 전화번호:
  ChemTrec 1-800-424-9300 Contract  CCN7661
  1-703-527-3887

2 유해성·위험성

- 순열질 또는 혼합물의 분류
  - 화염
    인화성 액체 - 구분 2 H225 고인화성 액체 및 증기
  - 두개골과 대퇴골
    급성 독성 - 경구 - 구분 3 H301 삽기면 유독함
  - 건강에 위험
    호흡기 과민성 - 구분 1 H334 흡입시 알레르기성 반응, 천식 또는 호흡 곤란을 일으킬 수 있음
    생식세포 변이원성 - 구분 2 H341 유전적인 결함을 일으킬 것으로 의심됨
    생식독성 - 구분 2 H361 태아 또는 생식능력에 손상을 일으킬 것으로 의심됨
    특정표적장기 독성 - 1회 노출 - 구분 2 H371 신체 중에 손상을 일으킬 수 있음

- 피부 부식성/피부 자극성 - 구분 2 H315 피부에 자극을 일으킴

(2 복에계속)
제품명: Rosin Alcohol Stock, 10%

· 심한 눈 손상성/눈 자극성 - 구분 2   H319 눈에 심한 자극을 일으킴
· 피부 과민성 - 구분 1   H317 알레르기성 피부 반응을 일으킬 수 있음

· 라벨표기 요소
· GHS 라벨 요소
본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.

· 신호어 위험
· 상표상의명학 허위협성표시된성분
Methyl Alcohol
Rosin

· 유해 위험 분구
고인화성 액체 및 증기
흡기면 경계
피부에 자극을 일으킴
눈에 심한 자극을 일으킴
흡입시 알레르기성 반응.
알레르기성 피부 반응을 일으킬 수 있음
유전적인 결합을 일으킬 것으로 의심됨
태아 또는 생식능력에 손상을 일으킬 것으로 의심됨

· 예방조치 분구
삼켰을 시: 즉시 독성물질센터/병원 연락 필요.
피부(또는 미리카락)에 묻으면 오염된 모든 의복을 벗으십시오. 피부를 물로 씻으십시오/사용하십시오.
눈에 묻으면 몇 분간 물로 흐르게 하십시오. 가능하면 콘택트렌즈를 제거하시고. 계속 씻으시오.
(라벨 참조) 처치를 하십시오.

· 기타 유해성
PBT(전적으로, 생물농축성, 독성 물질) 및 vPvB(고 장기성, 고 생물농축성 물질) 평가 결과
PBT(전적으로, 생물농축성, 독성 물질): 해당사항 없음.
vPvB(고 장기성, 고 생물농축성 물질): 해당사항 없음.

3 구성성분의 명칭 및 함유량

· 화학적 특성: 혼합물
· 설명: 무해한 첨가물이 함유된 아래에 열거된 물질로 만들어진 혼합물.
· 위험요소: 무작위
물질안전보건자료
GHS에 따라

제품명: Rosin Alcohol Stock, 10%

(2쪽부터계속)

4 응급조치요령

- 응급조치요령 내용
- 일반적 정보:
  이 제품에 의해 오염된 의상은 즉시 교체한다.
  불규칙한 흡입이나 흡입 정지 상태에서 인공 호흡을 실시한다.
- 흡입했을 때:
  신선한 공기를 써고 나서 반드시 의료진의 도움을 구한다.
  환자가 의식을 잃었을 경우에는 안전한 자세에서 환자를 운반한다.
- 피부에 접촉했을 때: 즉시 물과 비누로 씻고 가볍게 닦는다.
- 눈에 들어갔을 때: 호르는 물에 눈을 몇 분 동안 씻어내고 나서, 중상이 지속될 경우에는 의사와 상담한다.
- 먹었을 때: 구토를 유발 시키지 않는다. 즉시 의료진의 도움을 구한다.
- 기타 의상의 주의사항:
  - 가장 중요한 건: 안전 및 영향 추가적인 정보가 존재하지 않습니다.
  - 즉각적인 예방조치 및 특별조치가 필요함을 시사하는 정보 추가적인 정보가 존재하지 않습니다.

5 폭발·화재대처방법

- 소화제
  적절한 소화제:
  이산화탄소, 진화용조제를 루 또는 물 방사사를 사용하고, 다른 화재는 물을 분사하거나 알코올
  이 함유된 가루로 씻는다.
  - 본 화학물질이나 혼합물에서 발생하는 특별 유해성 추가적인 정보가 존재하지 않습니다.
  - 소방관에 대한 권고사항:
  - 화재 진압 시 작용할 보호구 및 예방조치: 특별한 조치가 필요없음.

6 차출 사고 시 대처방법

- 개인적 예방조치, 보호장비 및 응급처치 절차 안 전장 비착용하고, 무방비 의사 할은 격리 시킨다.
  환경 관련 예방조치:
  - 맴 을 물로 희석 시킨다.
  - 하수도 방 해수면 위의 물/지하수로 도달하지 않게 한다.
  - 밀폐 및 정화 방법과 보호:
  - 액체가 오염된 물질(도레, 규조, 산성 결합 물, 일반 결합 물, 톱밥)에 흡입되도록 한다.
  - 황록 13에 따라 오염된 물질을 쓰레기로 처분한다.
  - 출발한 환자가 되도록 한다.
  - 특성적 상조
  - 안 전관 리에 대한 정보는 제7장 을 참고하시오.
  - 개인 보호 장비에 대한 정보는 제14장을 참고하시오.
  - 쓰레기 처리에 대한 정보는 제13장을 참고하시오.

7 취급 및 저장방법

- 취급:
  - 안전 취급을 위한 예방조치
    - 작업장에서는 통풍이 잘되고, 슬기저해가 잘되게 주의한다.
    - 조심스럽게 취급기를 개봉하거나 취급한다.
    - 연무질이 형성되는 것을 피한다.
  - 화재 및 폭발 사고 예방대책에 관한 정보:
    - 발화 요소는 미리 판단할 수 없으며,
    - 엽로부터 보호한다.
정전기의 충전으로부터 보호한다. 
호흡보호장비를항상비치한다.

- 원활위협성 등 안전 저장 조건
  - 보관:
    - 안전한 저장 방법: 화기운전소에 보관한다.
    - 하나의 공통 보관 시설에 대한 보관 관련 정보: 필요없음
  - 보관 조건에 관한 추가적인 정보:
    - 용기를재사용하지말폐한재보관한다.
    - 별도의용기나에서들고건조하게보관한다.
    - 냉이나적사광선으로부터보호한다.
  - 균열적 최종 사용자 추가적인 정보가 존재하지 않습니다.

## 8 노출방지 및 개인보호구

- 혼합시설 디자인에 대한 추가정보: 더 이상의 자료는 없음. 항목7을참고하시오.

### 4.3 노출 절제 조치

- 통제 변수
- 화학물질의 노출기준. 생물학적 노출기준 등: 
  본 제품에는 작업장에서 감시가 필요한 주요한 가치의 어떤 해당 재료의 양을 함유하고 있지 않다. 
- 추가 정보: 제조자참고로 사용을 유리한 목록을 기초로 사용한다.

### 4.4 개인보호구

- 일반적보호조치 및 위생조치
  - 식료품, 음료수와사료로부터밀리떨어뜨려놓는다.
  - 더워워지거나 물이 묻은곳은목시탈퇴한다.
  - 휴식시간이나 작업이끝날때마다손을씻는다.
  - 방호복은따로보관한다.
  - 눈와피부와의접촉은피한다.

- 호흡기보호: 
  단시간 또는경미한오염의경우에는호흡과기를사용한다.심각한또는장기간노출시에는
  호흡보호장비를사용한다.

- 손보호:

  ![보호용 장갑] 보호용장갑

장갑재질은제품/원료/조제물투과시키지않아야하고.내구성이어렵다. 
테스트를하지않았기때문에제품/조제/화학혼합물에적합한장갑재질에대한추천이없다.

- 코로나바이러스
  - 적합한장갑의선정은제제질바이아나리즈질감기준의차이도가견고려하여이루어야하고제조업종에따라다
  - 르게선정되어야한다.제품은다양한재료로부터의재료에이루어지는것인가한때문에,장갑재질의안전성은사
  - 전에제조하여될수있는것이아니고,반도사용전에(공안전이)체크되어야한다.
  - 장갑재료의투과시간
    - 정확한관통시간은보호장갑재질에의하여진지이고,준수되어야한다.

## (5쪽부터계속)
#### 제품명: Rosin Alcohol Stock, 10%

<table>
<thead>
<tr>
<th>눈 보호:</th>
<th>박조이눈보안경</th>
</tr>
</thead>
</table>

# 9 물리화학적 특성

<table>
<thead>
<tr>
<th>기본 물리 및 화학적 특성에 대한 정보</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>일반정보</td>
<td></td>
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<tr>
<td>음영</td>
<td></td>
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<tr>
<td>색</td>
<td></td>
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<tr>
<td>냄새</td>
<td></td>
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<tr>
<td>후각적</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td></td>
</tr>
</tbody>
</table>

| 상태변화 |  |
| 녹는점/어는점 |  |
| 녹는점 |  |
| 녹는점과 어는점 범위 |  |
| 인화점 |  |
| 인화성(고체, 기체) |  |
| 인화물 |  |
| 폭발성 |  |
| 폭발 범위의 상한/하한 |  |
| 용해도 |  |
| 용해도 용제용제 용제용제 용제용제 |  |
| 유기용제 |  |
| VOC (EU) |  |

| 절도 |  |
| 역학성 |  |
| 동점성 |  |
| 용매내용물유기용제 |  |
| 유기용제 |  |
| VOC (EU) |  |

(4쪽부터계속)
제품명: Rosin Alcohol Stock, 10%

10 안정성 및 반응성
- 반응성 추가적인 정보가 존재하지 않습니다.
- 화학적 안정성
  - 화학적 안정성 및 유해 반응의 가능성 / 피해야 할 조건: 규정에 따라 사용할 경우에만 사용
  - 유해반응 가능성 위험한 반응으로는 알려지지 않았다.
- 피해야 할 조건: 추가적인 정보가 존재하지 않습니다.
- 종합 급지 물질: 추가적인 정보가 존재하지 않습니다.
- 유해분해물질 위험성있는 분해물들은 알려지지 않았다.

11 특성에 관한 정보
- 독성학적 영향에 대한 정보
  - 급성 특성: 
    - 일차적 자극 효과: 피부부식성 또는 자극성: 피부와 점막을 자극한다.
    - 갑작화: 호흡을 통한 갑작화가능성이 있다.
    - 피부접촉을 통한 갑작화가능성이 있다.
  - 추가적인 독성에 관한 정보: 이제품은 유럽 공동체의 공동분류의 법적인 절차에 근거하여 최근에 발효된 원고에서 아래의 위험들에 대한 정보를 제공하고 있다.
    - 독성의 건강에 해로운 자극적인 다음 종류의 잠재적인 효과에 대한 정보: 
    - CMR-효과 (암 유발, 돌연변이성 그리고 생식 독성) 
      생식세포 변이성 – 구분 2, 생식독성 – 구분 2

12 환경에 미치는 영향
- 독성
  - 수생독성: 추가적인 정보가 존재하지 않습니다.
  - 지속성 및 분해성: 추가적인 정보가 존재하지 않습니다.
- 환경 시스템에의 영향: 
  - 생물농축 잠재성: 추가적인 정보가 존재하지 않습니다.
  - 토양내 이동성: 추가적인 정보가 존재하지 않습니다.
  - 추가적인 생태학 정보: 
    - 일반 특성: 
      - 수질오염등급 1 (자체등급분류): 약하게수질오염이된다.
      - 희석시 키가 적은 체대량으로 지수한다. 하천으로 그리고 수도망에도 담아지지 않는다.
  - PBT(채무성, 생물농축성, 독성 물질) 및 vPvB(고 전투성, 고 생물농축성 물질) 평가 결과
    - PBT(전투성, 생물농축성, 독성 물질): 해당사항 없음.
    - vPvB(고 전투성, 고 생물농축성 물질): 해당사항 없음.
  - 기타 부작용: 추가적인 정보가 존재하지 않습니다.
13 폐기시 주의사항

- 폐기물 처리 방법
  - 권고: 생활쓰레기와 함께 처리되어서는 안 된다. 하수도망으로 유입되어서는 안 된다.
  - 비위생적 포장:
  - 권고: 당국의 지침에 의한 쓰레기 처리로 하여서는 안 된다.
  - 추천 세정제: 경유에 따라 시제가 점검되어야 한다.

14 운송에 필요한 정보

- 유엔 번호
  - ADR, IMDG, IATA: UN1987

- UN 적정 선적명
  - ADR: 1987 ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)
  - IMDG: ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)
  - IATA: ALCOHOLS, N.O.S. (ETHANOL, METHANOL)

- 교통 위험 클래스
  - ADR, IMDG, IATA

  - 등급
    - 위험물 라벨: 3 발화성용액

- 운송등급
  - ADR, IMDG, IATA: II

- 환경적 유해물질
  - 해당사항 없음.

- 이용자 특별 예방조치
  - 위험 코드: 경고: 발화성용액
  - EMS-번호: 33
  - Stowage Category: F-E-S-D

- MARPOL73/78(선박으로부터의 해양오염방지협약) 부속서2 및 IBC Code(국제선적화물코드)에 따른 벌크(bulk) 운송
  - 해당사항 없음.

- 운송/추가 정보:
  - ADR
    - 한정 수량 (LQ): 1L
    - Excepted quantities (EQ): Code: E2
      - Maximum net quantity per inner packaging: 30 ml
      - Maximum net quantity per outer packaging: 500 ml
    - 운송 구분
      - 터널 제한 코드: D/E
제품명: Rosin Alcohol Stock, 10%

15 법적 규제현황

- 산업안전보건법에 의한 규제:
  - 제조 등 금지물질:
    - 어떠한 사용도 금지되어있지 않다
  - 허가대상물질:
    - 어떠한 사용도 금지되어있지 않다
  - 관리대상유해물질:
    - 어떠한 사용도 금지되어있지 않다
  - 해당 순위의 또는 품목별에 대한 안전, 보건 및 환경 규제/법률
    - 화학물질관리법
  - 사고대비물질
    - 어떠한 사용도 금지되어있지 않다
  - 금지물질
    - 어떠한 사용도 금지되어있지 않다
  - 제한물질
    - 어떠한 사용도 금지되어있지 않다
  - 유독물질
    - 어떠한 사용도 금지되어있지 않다
  - 허가물질
    - 어떠한 사용도 금지되어있지 않다
  - GHS 라벨 요소
    - 본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.
  - 그림문자
    - GHS02, GHS06, GHS08, GHS07

- 신호어 위험:
  - 상표상의명확히허위성성이표시된성분:
    - Methyl Alcohol
    - Rosin
  - 유해 위험 문구
    - 고인화성 액체 및 증기
    - 삐었을 때 유독함
    - 피부에 자극을 일으킴

(7 줄부터계속)
제품명: Rosin Alcohol Stock, 10%

눈에 심한 자극을 일으킴
흡입시 알레르기성반응, 천식 또는 호흡곤란을 일으킬 수 있음
알레르기성 피부반응을 일으킬 수 있음
유전적인 결합을 일으킬 것으로 의심됨
태아 또는 생식능력에 손상을 일으킬 것으로 의심됨
신체 중에 손상을 일으킬 수 있음
호흡기계 자극을 일으킬 수 있음

예방조치

삼켰을 시: 즉시 독성물질센터/병원 연락 필요.
피부(또는 머리카락)에 묻으면 오염된 모든 의복은 벗으시오. 피부를 물로 씻으시오/사워하시오.
눈에 묻으면 몇 분간 물로 조심해서 씻으시오. 가능하면 콘택트렌즈를 제거하시오. 계속 씻으시오.
(라벨 참조) 처치를 하십시오.
잠금장치가 있는 저장장소에 저장하시오.
현지/지역/국가/국제 규정에 따라서 내용물/용기 노출

화학물질 안전성 평가: 화학물질 안전성 평가가 수행되지 않음

16 그 밖의 참고사항

이보고는 우리지식에대한오늘날의상태에대하여평가하고있다. 하지만이보고서는생산특성에관한보증은
기술하지않었으며계약적인법률관계에기반을두고있지도않다

최초 작성일자: 2017.08.29
개정 횟수 및 최종 개정일자: 1/2017.08.29
약어와 두문자어:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
SECCIÓN 1: Identificación de la sustancia o la mezcla y de la sociedad o la empresa

1.1 Identificador del producto

Nombre comercial: Rosin Alcohol Stock, 10%
Número del artículo: 20550-05
1.2 Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados
No existen más datos relevantes disponibles.
1.3 Datos del proveedor de la ficha de seguridad
Fabricante/distribuidor:
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400  Fax: 215-412-8450
email: sgkck@aol.com
www.emsdiasum.com
Aname
C/ Perez Galdos no. 2
28693 Quijorna
Madrid, Spain
Tel: +34.91.816.89.50
Fax: +34.91.816.85.94
email: ventas@aname.es
Área de información: Product safety department
1.4 Teléfono de emergencia:
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

SECCIÓN 2: Identificación de los peligros

2.1 Clasificación de la sustancia o de la mezcla
Clasificación con arreglo al Reglamento (CE) n° 1272/2008

GHS02 llama

Flam. Liq. 2  H225 Líquido y vapores muy inflamables.

GHS06 calavera y tibias cruzadas

Acute Tox. 3  H301 Tóxico en caso de ingestión.

GHS08 peligro para la salud

Resp. Sens. 1B  H334 Puede provocar síntomas de alergia o asma o dificultades respiratorias en caso de inhalación.
Muta. 2  H341 Se sospecha que provoca defectos genéticos.
Repr. 2  H361 Se sospecha que puede perjudicar la fertilidad o dañar el feto.
STOT SE 2  H371 Puede provocar daños en los órganos.

( se continúa en página 2 )
Ficha de datos de seguridad
según 1907/2006/CE, Artículo 31

Nombre comercial: Rosin Alcohol Stock, 10%

( se continua en página 1 )

![GHS07]

Skin Irrit. 2 H315 Provoca irritación cutánea.
Eye Irrit. 2 H319 Provoca irritación ocular grave.
Skin Sens. 1 H317 Puede provocar una reacción alérgica en la piel.
STOT SE 3 H335 Puede irritar las vías respiratorias.

- 2.2 Elementos de la etiqueta
  - Etiquetado con arreglo al Reglamento (CE) n° 1272/2008
    El producto se ha clasificado y etiquetado de conformidad con el reglamento CLP.
  - Pictogramas de peligro
    
    GHS02 GHS06 GHS08 GHS07

  - Palabra de advertencia Peligro
  - Componentes peligrosos a indicar en el etiquetaje:
    colofonia
    metanol
  - Indicaciones de peligro
    H225 Líquido y vapores muy inflamables.
    H301 Tóxico en caso de ingestión.
    H315 Provoca irritación cutánea.
    H319 Provoca irritación ocular grave.
    H334 Puede provocar síntomas de alergia o asma o dificultades respiratorias en caso de inhalación.
    H317 Puede provocar una reacción alérgica en la piel.
    H341 Se sospecha que provoca defectos genéticos.
    H361 Se sospecha que puede perjudicar la fertilidad o dañar el feto.
    H371 Puede provocar daños en los órganos.
    H335 Puede irritar las vías respiratorias.
  - Consejos de prudencia
    P301+P310 EN CASO DE INGESTIÓN: Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA/médico.
    P303+P361+P353 EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente todas las prendas contaminadas. Aclararse la piel con agua/ducharse.
    P305+P351+P338 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.
    P321 Se necesita un tratamiento específico (ver en esta etiqueta).
    P405 Guardar bajo llave.
    P501 Eliminar el contenido o el recipiente conforme a la reglamentación local/regional/nacional/internacional.

- 2.3 Otros peligros
  - Resultados de la valoración PBT y mPmB
    - PBT: No aplicable.
    - mPmB: No aplicable.

( se continua en página 3 )
Ficha de datos de seguridad
según 1907/2006/CE, Artículo 31

Nombre comercial: Rosin Alcohol Stock, 10%

SECCIÓN 3: Composición/información sobre los componentes

- 3.2 Caracterización química: Mezclas
  - Descripción: Mezcla formada por las sustancias especificadas a continuación con adiciones no peligrosas.
  - Componentes peligrosos: suprimido
  - Indicaciones adicionales: El texto de los posibles riesgos aquí indicados se puede consultar en el capítulo 16.

SECCIÓN 4: Primeros auxilios

- 4.1 Descripción de los primeros auxilios
- Instrucciones generales:
  - En caso de respiración irregular o apnea (paro respiratorio), hágase la respiración artificial.
- En caso de inhalación del producto:
  - Suministrar suficiente aire fresco y, para mayor seguridad, consultar el médico.
- En caso de contacto con la piel:
  - Lavar inmediatamente con agua y jabón y enjuagar bien.
- En caso de con los ojos:
  - Limpiar los ojos abiertos durante varios minutos con agua corriente. En caso de trastornos persistentes consultar un médico.
- En caso de ingestión:
  - No provocar el vómito y solicitar asistencia médica inmediata.

SECCIÓN 5: Medidas de lucha contra incendios

- 5.1 Medios de extinción
  - Sustancias extintoras apropiadas:
    - CO2, polvo extintor o chorro de agua rociada. Combatir incendios mayores con chorro de agua rociada o espuma resistente al alcohol.
- 5.2 Peligros específicos derivados de la sustancia o la mezcla
  - No existen más datos relevantes disponibles.
- 5.3 Recomendaciones para el personal de lucha contra incendios
  - Equipo especial de protección: No se requieren medidas especiales.

SECCIÓN 6: Medidas en caso de vertido accidental

- 6.1 Precauciones personales, equipo de protección y procedimientos de emergencia
  - Llevar puesto equipo de protección. Mantener alejadas las personas sin protección.
- 6.2 Precauciones relativas al medio ambiente:
  - Diluir con mucha agua.
  - Evitar que penetre en la canalización /aguas de superficie /agua subterráneas.
- 6.3 Métodos y material de contención y de limpieza:
  - Quitar con material absorbente (arena, kieselgur, aglutinante de ácidos, aglutinante universal, aserrín).
  - Desechar el material contaminado como vertido según ítem 13.
  - Asegurar suficiente ventilación.
- 6.4 Referencia a otras secciones
  - Ver capítulo 7 para mayor información sobre una manipulación segura.
  - Ver capítulo 8 para mayor información sobre el equipo personal de protección.
SECCIÓN 7: Manipulación y almacenamiento

- **7.1 Precauciones para una manipulación segura**
  Asegurar suficiente ventilación/aspiración en el puesto de trabajo.
  Abrir y manejar el recipiente con cuidado.
  Evitar la formación de aerosoles.

- **Prevención de incendios y explosiones:**
  Mantener alejadas las fuentes de encendido. No fumar.
  Proteger del calor.
  Tomar medidas contra las cargas electrostáticas.
  Tener preparados los aparatos respiratorios.

- **7.2 Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades**

  - **Almacenamiento:**
  - **Exigencias con respecto al almacén y los recipientes:** Almacenar en un lugar fresco.
  - **Normas en caso de un almacenamiento conjunto:** No es necesario.
  - **Indicaciones adicionales sobre las condiciones de almacenamiento:**
    Mantener el recipiente cerrado herméticamente.
    Almacenarlo en envases bien cerrados en un lugar fresco y seco.
    Proteger del calor y de la luz directa del sol.

- **7.3 Usos específicos finales** No existen más datos relevantes disponibles.

SECCIÓN 8: Controles de exposición/protección individual

- **Instrucciones adicionales para el acondicionamiento de instalaciones técnicas:**
  Sin datos adicionales, ver punto 7.

- **8.1 Parámetros de control**
  - **Componentes con valores límite admisibles que deben controlarse en el puesto de trabajo:**
  El producto no contiene cantidades relevantes de substancias con valores límite que exijan un control en el puesto de trabajo.
  - **Indicaciones adicionales:** Como base se han utilizado las listas vigentes en el momento de la elaboración.

- **8.2 Controles de la exposición**
  - **Equipo de protección individual:**
  - **Medidas generales de protección e higiene:**
  Mantener alejado de alimentos, bebidas y alimentos para animales.
  Quitarse de inmediato la ropa ensuciada o impregnada.
  Lavarse las manos antes de las pausas y al final del trabajo.
  Guardar la ropa protectora por separado.
  Evitar el contacto con los ojos y la piel.
  - **Protección respiratoria:**
  Si la exposición va a ser breve o de poca intensidad, colocarse una máscara respiratoria. Para una exposición más intensa o de mayor duración, usar un aparato de respiración autónomo.
  - **Protección de manos:**
  Guantes de protección

El material del guante deberá ser impermeable y resistente al producto / substancia / preparado.
**Nombre comercial: Rosin Alcohol Stock, 10%**

( se continua en página 4 )

Ante la ausencia de tests específicos, no se puede recomendar ningún material específico para guantes de protección contra el producto / preparado / mezcla de sustancias químicas. Selecciona el material de los guantes en función de los tiempos de rotura, grado de permeabilidad y degradación.

- **Material de los guantes**
  
  La elección del guante adecuado no depende únicamente del material, sino también de otras características de calidad, que pueden variar de un fabricante a otro. Teniendo en cuenta que el producto está fabricado a partir de diferentes materiales, su calidad no puede ser avalada de antemano, de modo que los guantes deberán ser controlados antes de su utilización.

- **Tiempo de penetración del material de los guantes**
  
  El tiempo de resistencia a la penetración exacto deberá ser pedido al fabricante de los guantes. Este tiempo debe ser respetado.

- **Protección de ojos:**

  ✟ Gafas de protección herméticas

---

**SECCIÓN 9: Propiedades físicas y químicas**

- **9.1 Información sobre propiedades físicas y químicas básicas**

  - **Datos generales**
  
  - **Aspecto:**
    
    Forma: Líquido
    Color: Amarillo claro
    Olor: Similar al del alcohol
    Umbral olfativo: No determinado.

  - **valor pH:**
    
    No determinado.

  - **Cambio de estado**
    
    Punto de fusión/punto de congelación: Indeterminado.
    Punto inicial de ebullición e intervalo de ebullición: Indeterminado.

  - **Punto de inflamación:**
    
    16.6 °C

  - **Inflamabilidad (sólido, gas):**
    
    No aplicable.

  - **Temperatura de ignición:**
    
    No determinado.

  - **Temperatura de auto-inflamación:**
    
    El producto no es autoinflamable.

  - **Propiedades explosivas:**
    
    El producto no es explosivo; sin embargo, pueden formarse mezclas explosivas de vapor / aire.

  - **Límites de explosión:**
    
    Inferior: No determinado.
    Superior: No determinado.

  - **Presión de vapor:**
    
    No determinado.

  - **Densidad:**
    
    Indeterminado.
  
  - **Densidad relativa**
    
    No determinado.
  
  - **Densidad de vapor**
    
    No determinado.
  
  - **Tasa de evaporación:**
    
    No determinado.

( se continua en página 6 )
Nombre comercial: Rosin Alcohol Stock, 10%

| · Solubilidad en / miscibilidad con agua: | Completamente mezclable. |
| · Coeficiente de reparto: n-octanol/agua: | No determinado. |
| · Viscosidad: | |
| Dinámica: | No determinado. |
| Cinemática: | No determinado. |
| · Concentración del disolvente: | 0,0 % |
| Disolventes orgánicos: | |
| VOC (CE) | 0,00 % |

9.2 Otros datos
No existen más datos relevantes disponibles.

SECCIÓN 10: Estabilidad y reactividad

· 10.1 Reactividad
No existen más datos relevantes disponibles.

· 10.2 Estabilidad química
     · Descomposición térmica / condiciones que deben evitarse: No se descompone al emplearse adecuadamente.
     · 10.3 Posibilidad de reacciones peligrosas No se conocen reacciones peligrosas.
     · 10.4 Condiciones que deben evitarse No existen más datos relevantes disponibles.
     · 10.5 Materiales incompatibles: No existen más datos relevantes disponibles.
     · 10.6 Productos de descomposición peligrosos: No se conocen productos de descomposición peligrosos.

SECCIÓN 11: Información toxicológica

· 11.1 Información sobre los efectos toxicológicos
· Toxicidad aguda
  Tóxico en caso de ingestión.
· Efecto estimulante primario:
· Corrosión o irritación cutáneas
  Provoca irritación cutánea.
· Lesiones o irritación ocular graves
  Provoca irritación ocular grave.
· Sensibilización respiratoria o cutánea
  Puede provocar síntomas de alergia o asma o dificultades respiratorias en caso de inhalación.
  Puede provocar una reacción alérgica en la piel.
· Efectos CMR (carcinogenicidad, mutagenticidad y toxicidad para la reproducción)
· Mutagenicidad en células germinales
  Se sospecha que provoca defectos genéticos.
· Carcinogenicidad A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
· Toxicidad para la reproducción
  Se sospecha que puede perjudicar la fertilidad o dañar el feto.
· Toxicidad específica en determinados órganos (STOT) – exposición única
  Puede provocar daños en los órganos.
· Toxicidad específica en determinados órganos (STOT) – exposición repetida
  A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
· Peligro de aspiración A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
SECCIÓN 12: Información ecológica

- 12.1 Toxicidad
  - Toxicidad acuática: No existen más datos relevantes disponibles.
- 12.2 Persistencia y degradabilidad: No existen más datos relevantes disponibles.
- 12.3 Potencial de bioacumulación: No existen más datos relevantes disponibles.
- 12.4 Movilidad en el suelo: No existen más datos relevantes disponibles.
- Indicaciones medioambientales adicionales:
  - Indicaciones generales:
    - Nivel de riesgo para el agua 1 (autoclasificación): escasamente peligroso para el agua
    - En estado no diluido o no neutralizado, no dejar que se infiltre en aguas subterráneas, aguas superficiales o en alcantarillados.
- 12.5 Resultados de la valoración PBT y mPmB
  - PBT: No aplicable.
  - mPmB: No aplicable.
- 12.6 Otros efectos adversos: No existen más datos relevantes disponibles.

SECCIÓN 13: Consideraciones relativas a la eliminación

- 13.1 Métodos para el tratamiento de residuos
  - Recomendación: No debe desecharse con la basura doméstica. No debe llegar al alcantarillado.
  - Embalajes sin limpiar:
    - Recomendación: Eliminar conforme a las disposiciones oficiales.
    - Producto de limpieza recomendado: Agua, eventualmente añadiendo productos de limpieza.

SECCIÓN 14: Información relativa al transporte

- 14.1 Número ONU
  - ADR, IMDG, IATA: UN1987
- 14.2 Designación oficial de transporte de las Naciones Unidas
  - ADR: 1987 ALCOHOLES, N.E.P. (ETANOL (ALCOHOL ETÍLICO), METANOL)
  - IMDG: ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), METHANOL)
  - IATA: ALCOHOLS, N.O.S. (ETHANOL, METHANOL)
- 14.3 Clase(s) de peligro para el transporte
  - ADR, IMDG, IATA
    - Clase: 3 Líquidos inflamables
    - Etiqueta: 3
- 14.4 Grupo de embalaje
  - ADR, IMDG, IATA: II
- 14.5 Peligros para el medio ambiente:
  - No aplicable.
- 14.6 Precauciones particulares para los usuarios
  - Atención: Líquidos inflamables
Nombre comercial: Rosin Alcohol Stock, 10%

- Número Kemler: 33
- Número EMS: F-E,S-D
- Stowage Category B

14.7 Transporte a granel con arreglo al anexo II del Convenio MARPOL y el Código IBC

Transporte/datos adicionales:

- ADR
- Cantidades limitadas (LQ) 1L
- Cantidades exceptuadas (EQ) Código: E2
  - Cantidad neta máxima por envase interior: 30 ml
  - Cantidad neta máxima por embalaje exterior: 500 ml

- Categoría de transporte 2
- Código de restricción del túnel D/E

- IMDG
- Limited quantities (LQ) 1L
- Excepted quantities (EQ) Code: E2
  - Maximum net quantity per inner packaging: 30 ml
  - Maximum net quantity per outer packaging: 500 ml

- "Reglamentación Modelo" de la UNECE: UN 1987 ALCOHOLES, N.E.P. (ETANOL (ALCOHOL ETÍLICO), METANOL), 3, II

SECCIÓN 15: Información reglamentaria

15.1 Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla

- Directiva 2012/18/UE
- Sustancias peligrosas nominadas - ANEXO I ninguno de los componentes está incluido en una lista
- Categoría Seveso
  - H2 TOXICIDAD AGUDA
  - P5c LÍQUIDOS INFLAMABLES
- Cantidad umbral (toneladas) a efectos de aplicación de los requisitos de nivel inferior 50 t
- Cantidad umbral (toneladas) a efectos de aplicación de los requisitos de nivel superior 200 t
- REGLAMENTO (CE) nº 1907/2006 ANEXO XVII Restricciones: 3

15.2 Evaluación de la seguridad química: Una evaluación de la seguridad química no se ha llevado a cabo.

SECCIÓN 16: Otra información

Los datos se fundan en el estado actual de nuestros conocimientos, pero no constituyen garantía alguna de cualidades del producto y no generan ninguna relación jurídica contractual.

Abreviaturas y acrónimos:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
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( se continua en página 9 )
### Nombre comercial: Rosin Alcohol Stock, 10%

<table>
<thead>
<tr>
<th>Property</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq.</td>
<td>2: Líquidos inflamables – Categoría 2</td>
</tr>
<tr>
<td>Acute Tox.</td>
<td>3: Toxicidad aguda – Categoría 3</td>
</tr>
<tr>
<td>Skin Irrit.</td>
<td>2: Corrosión o irritación cutáneas – Categoría 2</td>
</tr>
<tr>
<td>Eye Irrit.</td>
<td>2: Lesiones oculares graves o irritación ocular – Categoría 2</td>
</tr>
<tr>
<td>Resp. Sens.</td>
<td>1B: Sensibilización respiratoria – Categoría 1B</td>
</tr>
<tr>
<td>Skin Sens.</td>
<td>1: Sensibilización cutánea – Categoría 1</td>
</tr>
<tr>
<td>Muta.</td>
<td>2: Mutagenicidad en células germinales – Categoría 2</td>
</tr>
<tr>
<td>Repr.</td>
<td>2: Toxicidad para la reproducción – Categoría 2</td>
</tr>
<tr>
<td>STOT SE</td>
<td>2: Toxicidad específica en determinados órganos (exposición única) – Categoría 2</td>
</tr>
</tbody>
</table>