# 1 Identification

- **Product identifier**
  - **Trade name:** Diamond Paste
  - **Article number:**
    - 50370-11, 50370-21, 50370-31, 50370-41, 50370-51, 50370-61, 50370-71, 50370-81, 50370-91, 50371-11
- **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

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# 2 Hazard(s) identification

- **Classification of the substance or mixture**

  ![GHS07](image)

  Skin Irrit. 2  H315  Causes skin irritation.
  Flam. Liq. 4  H227  Combustible liquid.
  Eye Irrit. 2B  H320  Causes eye irritation.

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

  ![GHS07](image)

- **Signal word** Warning
- **Hazard statements**
  - Combustible liquid.
  - Causes skin and eye irritation.
- **Precautionary statements**
  - Keep away from flames and hot surfaces. – No smoking.
  - Wash thoroughly after handling.
  - Wear protective gloves / eye protection / face protection.
  - If on skin: Wash with plenty of water.
  - Specific treatment (see on this label).
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
  - Continue rinsing.
  - If skin irritation occurs: Get medical advice/attention.
  - Take off contaminated clothing and wash it before reuse.

(Contd. on page 2)
Trade name: Diamond Paste

If eye irritation persists: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:
  - NFPA ratings (scale 0 - 4)
    - Health = 1
    - Fire = 2
    - Reactivity = 0
  - HMIS-ratings (scale 0 - 4)
    - Health = 1
    - Fire = 2
    - 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
  - After inhalation: 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: If symptoms persist consult doctor.
- 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** Not required.
- **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).
  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**

<table>
<thead>
<tr>
<th>PAC</th>
<th>CAS Number</th>
<th>Compound</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAC-1</td>
<td>112945-52-5</td>
<td>Silicon dioxide</td>
<td>18 mg/m³</td>
</tr>
<tr>
<td>PAC-2</td>
<td>112945-52-5</td>
<td>Silicon dioxide</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>PAC-3</td>
<td>112945-52-5</td>
<td>Silicon dioxide</td>
<td>630 mg/m³</td>
</tr>
</tbody>
</table>

7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**
    - Ensure good ventilation/exhaustion at the workplace.
    - Prevent formation of aerosols.
  - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Further information about storage conditions:** Keep receptacle tightly sealed.
- **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.
Trade name: Diamond Paste

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          | Pasty |
    |----------------|-------|
    | Color          | Opaque|
    | Odor           | Mild  |
    | Odor threshold | Not determined. |

  - **pH-value:**
    
    Not determined.

- **Change in condition**
  
  | Melting point/Melting range | Undetermined. |
  | Boiling point/Boiling range  | 200 °C (392 °F) |

- **Flash point:**
  
  90 °C (194 °F)

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

- **Decomposition temperature:**
  
  Not determined.

- **Auto igniting:**
  
  Product is not selfigniting.

- **Danger of explosion:**
  
  Not determined.

- **Explosion limits:**
  
<table>
<thead>
<tr>
<th>Lower</th>
<th>Upper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined.</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

(Contd. on page 5)
51.0.2 · 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:
  VOC content: 0.00 %
  0.0 g/l / 0.00 lb/gal
· Solids content: 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.
    · on the eye: Irritating effect.
  · Sensitization: No sensitizing effects known.
· Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations: 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, ADR, IMDG, IATA: Void
- UN proper shipping name
  - DOT, ADR, IMDG, IATA: Void
- Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA
    - Class: Void
  - Packing group
    - DOT, ADR, IMDG, IATA: Void
  - Environmental hazards:
    - Not applicable.
  - Special precautions for user
    - Not applicable.
  - Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
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):
    9038-95-3 Polyalkylene glycol monobutyl ether ACTIVE
  - Hazardous Air Pollutants
    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
    GHS07

- Signal word Warning
- Hazard statements
  Combustible liquid.
  Causes skin and eye irritation.
- Precautionary statements
  Keep away from flames and hot surfaces. – No smoking.
  Wash thoroughly after handling.
51.0.2 Wear protective gloves / eye protection / face protection. 
If on skin: Wash with plenty of water. 
Specific treatment (see on this label). 
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 
If skin irritation occurs: Get medical advice/attention. 
Take off contaminated clothing and wash it before reuse. 
If eye irritation persists: Get medical advice/attention. 
In case of fire: Use for extinction: CO2, powder or water spray. 
Store in a well-ventilated place. Keep cool. 
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** 09/16/2020 / -
- **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
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - 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)
  - HMIS: Hazardous Materials Identification System (USA)
  - VOC: Volatile Organic Compounds (USA, EU)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Flam. Liq. 4: Flammable liquids – Category 4
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
1 Identification

- **Product identifier**
- **Trade name:** Diamond Paste
- **Article number:**
  - 50370-11, 50370-21, 50370-31, 50370-41, 50370-51, 50370-61, 50370-71, 50370-81, 50370-91, 50371-11
- **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: sgkck@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)
  - Website: ems.proscitech.com

  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

(Contd. on page 2)
Hazard statements
Combustible liquid.
Causes skin irritation.

Precautionary statements
Keep away from flames and hot surfaces. – No smoking.
Wash thoroughly after handling.
Wear protective gloves / eye protection / face protection.
IF ON SKIN: Wash with plenty of water.
Specific treatment (see on this label).
If skin irritation occurs: Get medical advice/attention.
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.
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.

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.

First Aid Measures

Description of first aid measures
After inhalation: 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: If symptoms persist consult doctor.
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.

Fire Fighting Measures

Extinguishing media
Suitable extinguishing agents:
CO2, 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: Not required.
- 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).
  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.
    Prevent formation of aerosols.
  - Information about fire - and explosion protection: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Keep container tightly sealed.
  - 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.
- 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.
      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.
Trade name: Diamond Paste

- 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: Pasty
    - Colour: Opaque
    - Odour: Mild
    - Odour threshold: Not determined.
  - pH-value: Not determined.

- Change in condition

  - Melting point/freezing point: Undetermined.
  - Initial boiling point and boiling range: 200 °C

- Flash point: 90 °C

- Flammability (solid, gas): Not applicable.

- Decomposition temperature: Not determined.

- Auto-ignition temperature: Product is not selfigniting.

- Explosive properties: Not determined.

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

- Vapour pressure: Not determined.

- Density: Not determined.
- Relative density: Not determined.
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: No sensitising effects known.
- 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:
  Irritant

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.

(Contd. of page 6)
Trade name: Diamond Paste

· 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 not regulated

· UN proper shipping name
  · ADG, IMDG, IATA not regulated

· Transport hazard class(es)
  · ADG, ADN, IMDG, IATA not regulated
  · Class not regulated

· Packing group
  · ADG, IMDG, IATA not regulated

· Environmental hazards:
  · Not applicable.

· Special precautions for user
  · Not applicable.

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

· UN "Model Regulation":
  · not regulated

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
  · Australian Inventory of Chemical Substances
    · All ingredients are listed.

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

  · Australia: Priority Existing Chemicals
    · None of the ingredients is listed.

· GHS label elements
  · The product is classified and labelled according to the Globally Harmonised System (GHS).
Trade name: Diamond Paste

- Hazard pictograms

GHS07

- Signal word Warning
- Hazard statements
  Combustible liquid.
  Causes skin irritation.
- Precautionary statements
  Keep away from flames and hot surfaces. – No smoking.
  Wash thoroughly after handling.
  Wear protective gloves / eye protection / face protection.
  IF ON SKIN: Wash with plenty of water.
  Specific treatment (see on this label).
  If skin irritation occurs: Get medical advice/attention.
  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.
  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.
  - 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. 4: Flammable liquids – Category 4
  Skin Irrit. 2: Skin corrosion/irritation – Category 2
1 Identification

- Product identifier
- Trade name: Diamond Paste
- Article number: 50370-11, 50370-21, 50370-31, 50370-41, 50370-51, 50370-61, 50370-71, 50370-81, 50370-91, 50371-11
- Application of the substance / the mixture Laboratory chemicals

2 Hazard identification

- Classification of the substance or mixture
  Flammable Liquids - Category 4 H227 Combustible liquid.

- Label elements
  - GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms Void
  - Signal word Warning
  - Hazard statements
    Combustible liquid.

- Precautionary statements
  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  Wear protective gloves/protective clothing/eye protection/face protection.
  In case of fire: Use for extinction: CO2, powder or water spray.
  Store in a well-ventilated place.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:
  - NFPA ratings (scale 0 - 4)
    ![NFPA ratings](image)
    Health = 1
    Fire = 2
    Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  ![HMIS-ratings](image)
  Health = 1
  Fire = 2
  Reactivity = 0

(Contd. on page 2)
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
  - After inhalation: 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:
    If symptoms persist consult doctor.
- 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: Not required.
  - 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).
    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.
    Prevent formation of aerosols.
  - Information about protection against explosions and fires: No special measures required.
Trade name: Diamond Paste

- Conditions for safe storage, including any incompatibilities
  - Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Keep receptacle tightly sealed.
  - 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.
  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: Pasty
      - Color: Opaque
      - Odor: Mild
      - Odor threshold: Not determined.
  - **pH-value:** Not determined.
  - **Change in condition**
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: 200 °C
  - **Flash point:** 90 °C
  - **Flammability (solid, gaseous):** Not flammable.
  - **Decomposition temperature:** Not determined.
  - **Auto igniting:** Product is not selfigniting.
  - **Danger of explosion:** Not determined.
  - **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.
  - **Solids content:**
    - Solids content: 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.
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- **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:** No sensitizing effects known.
  - **Additional toxicological information:**
    The product shows the following dangers according to internally approved calculation methods for preparations: 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, ADR, IMDG, IATA: Void
- **UN proper shipping name**
  - DOT/TDG, ADR, IMDG, IATA: Void
- **Transport hazard class(es)**
  - DOT, ADR, ADN, IMDG, IATA: Void
- **Packing group**
  - DOT/TDG, ADR, IMDG, IATA: Void
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** Void

### 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):**
    - 9038-95-3 Polyalkylene glycol monobutyl ether ACTIVE
  - **Canadian substance listings:**
    - **Canadian Domestic Substances List (DSL)**
      - All ingredients are 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** Void
  - **Signal word** Warning
  - **Hazard statements**
    - Combustible liquid.
  - **Precautionary statements**
    - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
    - Wear protective gloves/protective clothing/eye protection/face protection.
    - In case of fire: Use for extinction: CO2, powder or water spray.
    - Store in a well-ventilated place.
    - Dispose of contents/container in accordance with local/regional/national/international regulations.
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 the latest revision of the safety data sheet 09/16/2020 / -

· 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)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
RUBRIEK 1: Identificatie van de stof of het mengsel en van de vennootschap/onderneming

· 1.1 Productidentificatie
· Handelsnaam: Diamond Paste
· Artikelnummer:
  50370-11, 50370-21, 50370-31, 50370-41, 50370-51, 50370-61, 50370-71, 50370-81, 50370-91, 50371-11
· 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 Laboratoriumchemcaliën
· 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
  Aurion
  Binnenhaven 5
  6709 PD Wageningen
  The Netherlands
  Tel: 31 317 415094
  Fax: 31 317 415955
  email: info@aurion.nl
· 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
  Het product is niet geclassificeerd volgens de CLP-verordening.
· 2.2 Etiketteringselementen
  · Etikettering overeenkomstig Verordening (EG) nr. 1272/2008 Niet van toepassing
  · Gevaarpictogrammen Niet van toepassing
  · Signaalwoord Niet van toepassing
  · Gevarenaanduidingen Niet van toepassing
· 2.3 Andere gevaren
  · Resultaten van PBT- en zPzB-beoordeling
    · PBT: Niet bruikbaar.
    · zPzB: Niet bruikbaar.

RUBRIEK 3: Samenstelling en informatie over de bestanddelen

· 3.2 Chemische karakterisering: Mengsels
· Beschrijving: Mengsel van na elkaar aangevoerde stoffen met ongevaarlijke bijmengingen.
· Gevaarlijke inhoudstoffen: Niet van toepassing

(Vervolg op blz. 2)
**Veiligheidsinformatieblad**

*volgens 1907/2006/EG, Artikel 31*  
Datum van de druk: 16.09.2020  
Herziening van: 16.09.2020

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(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**
  - **Na het inademen:** 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:** Als de klachten niet minderen, een arts raadplegen.
  - **4.2 Belangrijkste acute en uitgestelde symptomen en effecten** Geen verdere relevante informatie verkrijgbaar.
  - **4.3 Vermelding van de vereiste onmiddellijke medische verzorging en speciale behandeling** Geen verdere relevante informatie verkrijgbaar.

**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.

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

- **6.1 Persoonlijke voorzorgsmaatregelen, beschermde uitrusting en noodprocedures** Niet nodig.
- **6.2 Milieuvoorzorgsmaatregelen:**
  - Met veel water verdunnen.
  - Niet in de riolering/het oppervlaktewater/het grondwater laten terechtkomen.
- **6.3 Insulaties- en reinigingsmethoden en -materiaal:**
  - Met vloeistofbindend materiaal (zand, bergmeel, zuurbinder, universele binder, zaagmeel) opnemen.
  - Voor voldoende ventilatie zorgen.
- **6.4 Verwijzing naar andere rubrieken**
  - Informatie inzake veilig gebruik - zie hoofdstuk 7.
  - Informatie inzake persoonlijke beschermingsuitrusting - zie hoofdstuk 8.
  - Informatie inzake berging - zie hoofdstuk 13.

**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.
  - Aërosolvorming vermijden.
- **Informatie m.b.t. brand- en ontploffingsgevaar:** Geen bijzondere maatregelen noodzakelijk.
- **7.2 Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten**
- **Opslag:**
  - **Eisen ten opzichte van opslagruimte en tanks:** Geen bijzondere eisen.
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- Informatie m.b.t. gezamenlijke opslag: Niet noodzakelijk.
- Verdere inlichtingen over eisen m.b.t. de opslag: Tanks ondoorzichtig gesloten houden.
- 7.3 Specifieke eindgebruik Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 8: Maatregelen ter beheersing van blootstelling/persoonlijke bescherming

- Aanvullende gegevens m.b.t. de inrichting van technische installaties: Geen aanvullende gegevens. Zie 7.

8.1 Controleparameters
- Bestanddelen met grenswaarden die m.b.t. de werkomte 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.
    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 chemicaliënmengsel 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 handschoenmateriaal niet vooraf berekenbaar en moet derhalve vóór
  het gebruik worden getest.

- Doordringingstijd van het handschoenmateriaal
  De precieze penetratietijd kun je 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
  - Voorkomen:
    - Vorm: Pasteus
    - Kleur: Opaak
    - Geur: Mild
    - Geurdrempelwaarde: Niet bepaald.
  - pH-waarde: Niet bepaald.
  - Toestandsverandering
    - Smelt-/vriespunt: Niet bepaald.
    - Beginkookpunt en kooktraject: 200 °C
  - Vlampunt: 90 °C
  - Ontvlambaarheid (vast, gas): Niet bruikbaar.
  - Ontledingstemperatuur: Niet bepaald.
  - Zelfontbrandingstemperatuur: Het produkt ontbrandt niet uit zichzelf.
  - Ontploffingseigenschappen: Niet bepaald.
  - Ontploffingsgrenzen:
    - Onderste: Niet bepaald.
    - Bovenste: Niet bepaald.
  - Dampspanning: Niet bepaald.
  - Dichtheid:
    - Relatieve dichtheid: Niet bepaald.
    - Dampdichtheid: Niet bepaald.
    - Verdampingssnelheid: Niet bepaald.
  - Oplosbaarheid in/mengbaarheid met Water: Volledig mengbaar.
  - Verdelingscoëfficiënt: n-octanol/water: Niet bepaald.
  - Viscositeit
    - Dynamisch: Niet bepaald.
    - Kinematisch: Niet bepaald.
  - Oplosmiddelgehalte:
    - VOC (EG): 0,00 %
    - Gehalte aan vaste bestanddelen: 0,0 %
  - 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 stabilititeit**
- **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.
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10.6 Gevaarlijke ontleedingsproducten: Geen gevaarlijke ontleedingsprodukten bekend.

RUBRIEK 11: Toxicologische informatie

11.1 Informatie over toxicologische effecten
- Acute toxiciteit: Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- Primaire aandoening:
  - Huidcorrosie/-irritatie: Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
  - Ernstig oogletsel/oogirritatie: Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- Sensibilisatie van de luchtwegen/de huid: Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- CMR-effecten (kankerverwekkendheid, mutageniteit en giftigheid voor de voortplanting)
  - Mutageniteit in geslachtscellen: Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
  - Kankerverwekkendheid: Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
  - Giftigheid voor de voortplanting: Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
  - STOT bij eenmalige blootstelling: Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
  - 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.
- Persistentie en afbreekbaarheid: Geen Verdere relevante informatie verkrijgbaar.
- Bioaccumulatie: Geen Verdere relevante informatie verkrijgbaar.
- Mobiliteit in de bodem: Geen Verdere relevante informatie verkrijgbaar.
- 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) (Zelfclassificatie): gevaar voor water klein
    Niet onverdund of in grote hoeveelheden lozen in grondwater, in oppervlaktewater of in de riolering.
  - Resultaten van PBT- en zPzB-beoordeling
    PBT: Niet bruikbaar.
    zPzB: Niet bruikbaar.
  - Andere schadelijke effecten: Geen Verdere relevante informatie verkrijgbaar.

RUBRIEK 13: Instructies voor verwijdering

13.1 Afvalverwerkingsmethoden
- Aanbeveling: Mag niet tesamen 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

14.1 VN-nummer
ADR, IMDG, IATA: Niet van toepassing
**Veiligheidsinformatieblad**

**Volgens 1907/2006/EG, Artikel 31**

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<table>
<thead>
<tr>
<th>RUBRIEK 15: Regelgeving</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>15.1 Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel</strong></td>
</tr>
<tr>
<td>- <strong>SZW-lijst van kankerverwekkende stoffen</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td>- <strong>SZW-lijst van mutagene stoffen</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td>- <strong>NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td>- <strong>NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td>- <strong>NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td>- <strong>Lijst Zeer Zorgwekkende Stoffen (ZZS)</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td>- <strong>Lijst van Potentieel Zeer Zorgwekkende Stoffen</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td>- <strong>Richtlijn 2012/18/EU</strong></td>
</tr>
<tr>
<td>- <strong>Gevaarlijke stoffen die met naam genoemd worden - BIJLAGE I</strong> geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td>- <strong>Nationale voorschriften:</strong></td>
</tr>
<tr>
<td>- <strong>Gevaarklasse v. water:</strong></td>
</tr>
<tr>
<td>Waterbezwaarlijkheid (NL): A(4) Weinig schadelijk voor in water levende organismen kan in het aquatische milieu op lange termijn schadelijke effecten veroorzaken</td>
</tr>
<tr>
<td>- <strong>Chemischegevaarlijkheid: Een chemische gevaarlijkheid is niet uitgevoerd.</strong></td>
</tr>
</tbody>
</table>

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RUBRIEK 16: Overige informatie

Deze gegevens zijn gebaseerd op de huidige stand van onze kennis. Zij beschrijven echter geen garantie van produktheerschappen en vestigen geen contractuele rechtsbetrekking.
**Handelsnaam:** Diamond Paste

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**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
SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
  - Trade name: Diamond Paste
  - Article number: 50370-11, 50370-21, 50370-31, 50370-41, 50370-51, 50370-61, 50370-71, 50370-81, 50370-91, 50371-11
- 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
    The product is not classified, according to the CLP regulation.

- 2.2 Label elements
  - Labelling according to Regulation (EC) No 1272/2008 Void
  - Hazard pictograms Void
  - Signal word Void
  - Hazard statements Void

- 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
  - After inhalation: 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: If symptoms persist consult doctor.

(Contd. on page 2)
Trade name: Diamond Paste

- 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 Not required.
- 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).
  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.
  Prevent formation of aerosols.
  - Information about fire and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles: No special requirements.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions: Keep container tightly sealed.
- 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.
    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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- General Information
  - Appearance:
    Form: Pasty
    Colour: Opaque
    Odour: Mild
    Odour threshold: Not determined.
  - pH-value: Not determined.
  - Change in condition
    Melting point/freezing point: Undetermined.
    Initial boiling point and boiling range: 200 °C
  - Flash point: 90 °C
  - Flammability (solid, gas): Not applicable.
  - Decomposition temperature: Not determined.
### 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** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
Trade name: Diamond Paste

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 not regulated
- 14.2 UN proper shipping name
  ADR, IMDG, IATA not regulated
- 14.3 Transport hazard class(es)
  ADR, ADN, IMDG, IATA not regulated
- 14.4 Packing group
  ADR, IMDG, IATA not regulated
- 14.5 Environmental hazards:
  Not applicable.
- 14.6 Special precautions for user
  Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  Not applicable.
- UN "Model Regulation“:
  not regulated
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.
- 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
RUBRIQUE 1: Identification de la substance/du mélange et de la société/l’entreprise

1.1 Identificateur de produit

Nom du produit: Diamond Paste

Code du produit:
50370-11, 50370-21, 50370-31, 50370-41, 50370-51, 50370-61, 50370-71, 50370-81, 50370-91, 50371-11

1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées

Pas d’autres informations importantes disponibles.

Emploi de la substance / de la préparation: Produits chimiques pour laboratoires

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
Le produit n’est pas classifié selon le règlement CLP.

2.2 Éléments d’étiquetage

Étiquetage selon le règlement (CE) n° 1272/2008 néant
Pictogrammes de danger néant
Mention d’avertissement néant
Mentions de danger néant

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

Après inhalation: 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: Si les troubles persistent, consulter un médecin.

(suite page 2)
Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Nom du produit: Diamond Paste

- 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
  - Équipement 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 Pas nécessaire.
- 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).
  - 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.
  - Éviter la formation d'aérosols.
- Préventions des incendies et des explosions: Aucune mesure particulière n'est requise.
- 7.2 Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités
  - Stockage:
    - Exigences concernant les lieux et conteneurs de stockage: Aucune exigence particulière.
    - Indications concernant le stockage commun: Pas nécessaire.
    - Autres indications sur les conditions de stockage: Tenir les emballages hermétiquement fermés.
- 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.
Nom du produit: Diamond Paste

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.
  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.
- Temps de pénétration du matériau des gants
  Le temps de pénétration exact est à déterminer par le fabricant des gants de protection et à respecter.
- Protection des yeux:
  Lunettes de protection hermétiques

RUBRIQUE 9: Propriétés physiques et chimiques

9.1 Informations sur les propriétés physiques et chimiques essentielles
- Indications générales
- Aspect:
  Forme: Pâteuse
  Couleur: Opaque
- Odeur:
  Douce
- Seuil olfactif:
  Non déterminé.
- valeur du pH:
  Non déterminé.
### 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: Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Effet primaire d’irritation**: Corrosion cutanée/irritation cutanée: Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
Nom du produit: Diamond Paste

- Lésions oculaires graves/irritation oculaire
  Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- Sensibilisation respiratoire ou cutanée
  Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- Effets CMR (cancérogène, mutagène et toxique pour la reproduction)
  Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- Mutagénicité sur les cellules germinales
  Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- Cancérogénicité
  Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- Toxicité pour la reproduction
  Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- Toxicité spécifique pour certains organes cibles - exposition unique
  Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- 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.
- 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: Evacuation 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: néant
- 14.2 Désignation officielle de transport de l'ONU
  - ADR, IMDG, IATA: néant
**Nom du produit: Diamond Paste**

- **14.3 Classe(s) de danger pour le transport**
  - ADR, ADN, IMDG, IATA
  - Classe: néant

- **14.4 Groupe d'emballage**
  - ADR, IMDG, IATA: néant

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

- **14.6 Précautions particulières à prendre par l'utilisateur**
  - Non applicable.

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

- "Règlement type" de l'ONU:
  - néant

### 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.

- **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
ABSCHNITT 1: Bezeichnung des Stoffs beziehungsweise des Gemischs und des Unternehmens

1.1 Produktidentifikator

Handelsname: Diamond Paste

Artikelnummer:
50370-11, 50370-21, 50370-31, 50370-41, 50370-51, 50370-61, 50370-71, 50370-81, 50370-91, 50371-11

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

Keine weiteren relevanten Informationen verfügbar.

Verwendung des Stoffes / des Gemisches
Laborchemikalien

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
e-mail: sgkcck@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

Auskunftgebender Bereich: Product safety department

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


2.2 Kennzeichnungselemente

Kennzeichnung gemäß Verordnung (EG) Nr. 1272/2008 entfällt

Gefahrenpiktogramme entfällt

Signalwort entfällt

Gefahrenhinweise entfällt

2.3 Sonstige Gefahren

Ergebnisse der PBT- und vPvB-Beurteilung

PBT: Nicht anwendbar.
vPvB: 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

(Fortsetzung auf Seite 2)
ABSCHNITT 4: Erste-Hilfe-Maßnahmen

- 4.1 Beschreibung der Erste-Hilfe-Maßnahmen
  - Nach Einatmen: Bei Bewusstlosigkeit Lagerung und Transport in stabiler Seitenlage.
  - Nach Hautkontakt: Sofort mit Wasser und Seife abwaschen und gut nachspülen.
  - Nach Verschlucken: Bei anhaltenden Beschwerden Arzt konsultieren.

- 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.

ABSCHNITT 5: Maßnahmen zur Brandbekämpfung

- 5.1 Löschmittel

- 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.

ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung

- 6.1 Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren
  Nicht erforderlich.

- 6.2 Umweltschutzmaßnahmen:
  Mit viel Wasser verdünnen.
  Nicht in die Kanalisation/Oberflächenwasser/Grundwasser gelangen lassen.

- 6.3 Methoden und Material für Rückhaltung und Reinigung:
  Mit flüssigkeitsbindendem Material (Sand, Kieselgur, Säurebinder, Universalbinder, Sägemehl) aufnehmen.
  Für ausreichende Lüftung sorgen.

- 6.4 Verweis auf andere Abschnitte
  Informationen zur sicheren Handhabung siehe Abschnitt 7.
  Informationen zur persönlichen Schutzausrüstung siehe Abschnitt 8.
  Informationen zur Entsorgung siehe Abschnitt 13.

ABSCHNITT 7: Handhabung und Lagerung

- 7.1 Schutzmaßnahmen zur sicheren Handhabung
  Für gute Belüftung/Absaugung am Arbeitsplatz sorgen.
  Aerosolbildung vermeiden.

- Hinweise zum Brand- und Explosionsschutz: Keine besonderen Maßnahmen erforderlich.
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:
    Von Nahrungsmitteln, Getränken und Futtermitteln fernhalten.
    Beschmutzte, getränkte Kleidung sofort ausziehen.
    Vor den Pausen und bei Arbeitsende Hände waschen.
    Berührung mit den Augen und der Haut vermeiden.
  - Atemschutz:
    Bei kurzzeitiger oder geringer Belastung Atemfiltergerät; bei intensiver bzw. längerer Exposition umluftunabhängiges Atemschutzgerät verwenden.
  - Handschuh:
    Das Handschuhmaterial muss undurchlässig und beständig gegen das Produkt / den Stoff / die Zubereitung sein. Aufgrund fehlender Tests kann keine Empfehlung zum Handschuhmaterial für das Produkt / die Zubereitung / das Chemikaliengemisch abgegeben werden.
    Auswahl des Handschuhmaterials unter Beachtung der Durchbruchzeiten, Permeationsraten und der Degradation.
  - 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 Handschuhmaterialien nicht vorausberechenbar und muß deshalb vor dem Einsatz überprüft werden.
    Durchdringungszeit des Handschuhmaterials
    Die genaue Durchbruchzeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.
### ABSCHNITT 9: Physikalische und chemische Eigenschaften

<table>
<thead>
<tr>
<th>9.1 Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allgemeine Angaben</td>
</tr>
<tr>
<td>Aussehen:</td>
</tr>
<tr>
<td>Form: Pastös</td>
</tr>
<tr>
<td>Farbe: Opak</td>
</tr>
<tr>
<td>Geruch: Mild</td>
</tr>
<tr>
<td>Geruchsschwelle: Kein Wert vorhanden</td>
</tr>
<tr>
<td>pH-Wert: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Zustandsänderung:</td>
</tr>
<tr>
<td>Schmelzpunkt/Gefrierpunkt: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Siedebeginn und Siedebereich: 200 °C</td>
</tr>
<tr>
<td>Flammpunkt: 90 °C</td>
</tr>
<tr>
<td>Entzündbarkeit (fest, gasförmig): Kein Wert vorhanden</td>
</tr>
<tr>
<td>Zersetzungstemperatur: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Selbstzündungstemperatur: Das Produkt ist nicht selbstentzündlich</td>
</tr>
<tr>
<td>Explosive Eigenschaften: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Explosionsgrenzen:</td>
</tr>
<tr>
<td>Untere: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Obere: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Dampfdruck: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Dichte: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Relative Dichte: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Dampfdichte: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Verdampfungsgeschwindigkeit: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Löslichkeit in / Mischbarkeit mit Wasser: Vollständig mischbar</td>
</tr>
<tr>
<td>Verteilungskoeffizient: n-Octanol/Wasser: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Viskosität:</td>
</tr>
<tr>
<td>Dynamisch: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Kinematisch: Kein Wert vorhanden</td>
</tr>
<tr>
<td>Lösungsmittelgehalt:</td>
</tr>
<tr>
<td>VOC (EU): 0,00 %</td>
</tr>
<tr>
<td>Festkörpergehalt:</td>
</tr>
<tr>
<td>0,0 %</td>
</tr>
<tr>
<td>9.2 Sonstige Angaben</td>
</tr>
<tr>
<td>Keine weiteren relevanten Informationen verfügbar.</td>
</tr>
</tbody>
</table>
Handelsname: Diamond Paste

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 Unverträglichkeit von 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 Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- Primäre Reizwirkung
  - Ätz-/Reizwirkung auf die Haut Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Schwere Augenschädigung/-reizung Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- Sensibilisierung der Atemwege/Haut Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- CMR-Wirkungen (krebsverursachende, erbverererbende und fortpflanzungsgefährdende Wirkung)
  - Keimzell-Mutagenität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Karzinogenität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- Reproduktionstoxizität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- Spezifische Zielorgan-Toxizität bei einmaliger Exposition
  Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- Spezifische Zielorgan-Toxizität bei wiederholter Exposition
  Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- Aspirationsgefahr Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

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 Bioakkumulationspotential Keine weiteren relevanten Informationen verfügbar.
- 12.4 Mobilität im Boden Keine weiteren relevanten Informationen verfügbar.
- Weitere ökologische Hinweise:
  - Allgemeine Hinweise:
    Wassergefährdungsklasse 1 (Selbsteinstufung): schwach wassergefährdend
    Nicht unverdünnt bzw. in größeren Mengen in das Grundwasser, in Gewässer oder in die Kanalisation gelangen lassen.
- 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

(Fortsetzung auf Seite 6)
Handelsname: Diamond Paste

Ungereinigte Verpackungen:
Empfehlung: Entsorgung gemäß den behördlichen Vorschriften.

Abschnitt 14: Angaben zum Transport

14.1 UN-Nummer
- ADR, IMDG, IATA
Entfällt

14.2 Ordnungsgemäße UN-Versandbezeichnung
- ADR, IMDG, IATA
Entfällt

14.3 Transportgefahrenklassen
- ADR, ADN, IMDG, IATA
Entfällt

14.4 Verpackungsgruppe
- ADR, IMDG, IATA
Entfällt

14.5 Umweltgefahren:
Nicht anwendbar.

14.6 Besondere Vorsichtsmaßnahmen für den Verwender
Nicht anwendbar.

14.7 Massengutbeförderung gemäß Anhang II des MARPOL-Übereinkommens und gemäß IBC-Code
Nicht anwendbar.

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.

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 Akronym:
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
SEZIONE 1: Identificazione della sostanza o della miscela e della società/impresa

· 1.1 Identificatore del prodotto
   · Denominazione commerciale: Diamond Paste
   · Articolo numero:
     50370-11, 50370-21, 50370-31, 50370-41, 50370-51, 50370-61, 50370-71, 50370-81, 50370-91, 50371-11

· 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
     Il prodotto non è classificato conformemente al regolamento CLP.

· 2.2 Elementi dell'etichetta
   · Etichettatura secondo il regolamento (CE) n. 1272/2008 non applicabile
   · Pittogrammi di pericolo non applicabile
   · Avvertenza non applicabile
   · Indicazioni di pericolo non applicabile

· 2.3 Altri pericoli
   · Risultati della valutazione PBT e vPvB
     · PBT: Non applicabile.
     · vPvB: Non applicabile.

SEZIONE 3: Composizione/informazioni sugli ingredienti

· 3.2 Caratteristiche chimiche: Miscela
   · Descrizione: Miscela delle seguenti sostanze con additivi non pericolosi.
   · Sostanze pericolose: non applicabile
   · Ulteriori indicazioni: Il testo dell'avvertenza dei pericoli citati può essere appreso dal capitolo 16
SEZIONE 4: Misure di primo soccorso

- 4.1 Descrizione delle misure di primo soccorso
  
  · Inalazione: 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: Se il dolore persiste consultare il medico.

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 resistenti 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 Non necessario.
  
  - 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). 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.
  Evitare la formazione di aerosol.

- 7.2 Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità

  · Stoccaggio:
    
    · Requisiti dei magazzini e dei recipienti: Non sono richiesti requisiti particolari.
    
    · Indicazioni sullo stoccaggio misto: Non necessario.
  
    · Ulteriori indicazioni relative alle condizioni di immagazzinamento: Mantenere i recipienti ermeticamente chiusi.

(continua a pagina 3)
Denominazione commerciale: Diamond Paste

- **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.
      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’autorespiratore.
    - **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.
    - **Occhiali protettivi:**
      
      Occhiali protettivi a tenuta

---

**SEZIONE 9: Proprietà fisiche e chimiche**

- **9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali**
  - **Indicazioni generali**
    - **Aspetto:**
      - **Forma:** Pastoso
      - **Colore:** Opaco

(continua a pagina 4)
### Denominazione commerciale: Diamond Paste

<table>
<thead>
<tr>
<th>Caratteristica</th>
<th>Valore</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odore:</td>
<td>Delicato</td>
</tr>
<tr>
<td>Soglia olfattiva:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Valori di pH:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Cambiamento di stato</td>
<td></td>
</tr>
<tr>
<td>Punto di fusione/punto di congelamento</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Punto di ebollizione iniziale e intervallo di ebollizione</td>
<td>200 °C</td>
</tr>
<tr>
<td>Punto di infiammabilità:</td>
<td>90 °C</td>
</tr>
<tr>
<td>Infiammabilità (solidi, gas):</td>
<td>Non applicabile.</td>
</tr>
<tr>
<td>Temperatura di decomposizione:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Temperatura di autoaccensione:</td>
<td>Prodotto non autoinfiammabile.</td>
</tr>
<tr>
<td>Proprietà esplosive:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Limiti di infiammabilità:</td>
<td></td>
</tr>
<tr>
<td>Inferiore:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Superiore:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Tensione di vapore:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Densità:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Densità relativa:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Densità di vapore:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Velocità di evaporazione:</td>
<td>Non definito.</td>
</tr>
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<td>Solubilità in/Miscibilità con acqua:</td>
<td>Completamente miscibile.</td>
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<tr>
<td>Coefficiente di ripartizione:</td>
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<tr>
<td>n-ottanolo/acqua:</td>
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</tr>
<tr>
<td>Viscosità:</td>
<td></td>
</tr>
<tr>
<td>Dinamica:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Cinematica:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Tenore del solvente:</td>
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</tr>
<tr>
<td>VOC (CE)</td>
<td>0,00 %</td>
</tr>
<tr>
<td>Contenuto solido:</td>
<td>0,0 %</td>
</tr>
<tr>
<td>9.2 Altre informazioni</td>
<td>Non sono disponibili altre informazioni.</td>
</tr>
</tbody>
</table>

### SEZIONE 10: Stabilità e reattività

<table>
<thead>
<tr>
<th>Punto</th>
<th>Descrizione</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10.1 Reattività Non sono disponibili altre informazioni.</td>
</tr>
<tr>
<td></td>
<td>10.2 Stabilità chimica</td>
</tr>
<tr>
<td></td>
<td>Decomposizione termica/ condizioni da evitare: Il prodotto non si decompone se utilizzato secondo le norme.</td>
</tr>
<tr>
<td></td>
<td>10.3 Possibilità di reazioni pericolose Non sono note reazioni pericolose.</td>
</tr>
<tr>
<td></td>
<td>10.4 Condizioni da evitare Non sono disponibili altre informazioni.</td>
</tr>
<tr>
<td></td>
<td>10.5 Materiali incompatibili Non sono disponibili altre informazioni.</td>
</tr>
<tr>
<td></td>
<td>10.6 Prodotti di decomposizione pericolosi: Non sono noti prodotti di decomposizione pericolosi.</td>
</tr>
</tbody>
</table>
SEZIONE 11: Informazioni tossicologiche

- 11.1 Informazioni sugli effetti tossicologici
  - Tossicità acuta Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
  - Irritabilità primaria:
  - Corrosione/irritazione cutanea Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
  - Lesioni oculari gravi/irritazioni oculari gravi Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
  - Sensibilizzazione respiratoria o cutanea Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
  - Effetti CMR (cancerogenicità, mutagenicità e tossicità per la riproduzione)
  - Mutagenicità delle cellule germinali Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
  - Cancerogenicità Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
  - Tossicità per la riproduzione Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
  - Tossicità specifica per organi bersaglio (STOT) - esposizione singola 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.
  - 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 deterditi.

SEZIONE 14: Informazioni sul trasporto

- 14.1 Numero ONU
  - ADR, IMDG, IATA non applicabile

(continua a pagina 6)
Denominazione commerciale: Diamond Paste

· 14.2 Nome di spedizione dell’ONU
  · ADR, IMDG, IATA non applicabile

· 14.3 Classi di pericolo connesso al trasporto
  · ADR, ADN, IMDG, IATA non applicabile

· 14.4 Gruppo di imballaggio
  · ADR, IMDG, IATA non applicabile

· 14.5 Pericoli per l’ambiente:
  Non applicabile.

· 14.6 Precauzioni speciali per gli utilizzatori
  Non applicabile.

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

· UN “Model Regulation”:
  Non applicabile.

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.

· 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
  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
물질안전보건자료
GHS에 따라

1 화학제품과 회사에 관한 정보

- 제품식별
- 제품명: Diamond Paste
- 상품번호:
  50370-11, 50370-21, 50370-31, 50370-41, 50370-51, 50370-61, 50370-71, 50370-81, 50370-91, 50371-11
- 해당 순물질이나 혼합물의 관련 하위용도 및 사용금지용도 추가적인 정보가 존재하지 않습니다.
- 제품의 권고 용도와 사용상의 제한: 실험 실험학품
- 안전데이터표(Safety Data Sheet) 내 공급업체 관련 상세 정보
  - 제조자/수입자/유통업자 정보:
    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
  - Samchang Commercial Co., Ltd.
    Yeo Eui Do
    PO Box 1110
    Seoul, Korea
    Tel: 82 2 703 3040 Fax: 82 2 717 3298
  - Daedok Science, Co. Ltd.
    34141 E10 Korea Advanced Institute of Science
    Guseong-Dong, Yuseong-gu, Daejeon,
    Korea
    Phone: 82 42 710 2091
    Fax: 82 42 367 0005
    Website: www.lbsmro.com
- 추가적인 정보 획득 가능: Product safety department
- 비상연락 전화번호:
  ChemTrec 1-800-424-9300 Contract CCN7661
  1-703-527-3887

2 유해성 위험성

- 순물질 또는 혼합물의 분류

⚠ 피부 부식성/피부 자극성 – 구분 2 H315 피부에 자극을 일으킴
심한 눈 손상성/눈 자극성 – 구분 2 H319 눈에 심한 자극을 일으킴

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

⚠ GHS07
제품명: Diamond Paste

- 신호어 경고
- 유해·위험 문구
  피부에 자극을 일으킴
  눈에 심한 자극을 일으킴
- 예방조치 문구
  취급 후에는 취급 부위를 철저히 씻으십시오.
  보호장갑/눈 보호대/안면 보호구 착용.
  눈에 묻으면 몇 분간 물로 씻어내고 나서, 증상이 지속될 경우에는 의사와 상담하십시오.
  오염된 의복은 벗고 다시 사용 전 세척하시오.
  눈에 대한 자극이 지속되면 의학적인 조언을 받으십시오.
- 기타 유해성
  추가적인 정보가 존재하지 않습니다.
  즉각적인 의료처치 및 특별치료가 필요함을 시사하는 징후가 없는 데요.

3 구성성분의 명칭 및 함유량

- 화학적 특성: 혼합물
- 설명: 무해한 첨가물이 함유된 액체로 만들어진 혼합물.
- 위험 요소: 누락되다

4 응급조치 요령

- 응급조치요령 내용
  응급처치하십시오.
  화학물질이나 혼합물에서 발생하는 특별 유해성이 있는 정보가 존재하지 않습니다.
  즉각적인 의료처치 및 특별치료가 필요함을 시사하는 징후가 없는 데요.

5 폭발/화재시 대처방법

- 소화제
  적절한 소화제:
  이산화탄소, 소화용 석회 가루 또는 물 방사 시 사용하고, 더 큰 화재는 물을 분사하거나 알코올
  이 함유된 거품으로 끌다.
  본 화학물질이나 혼합물에서 발생하는 특별 유해성 추가적인 정보가 존재하지 않습니다.

6 누출 사고 시 대처방법

- 개인적 예방조치
  보호장비 및 응급처치 절차 필요없음.
- 환경 관련 예방조치
  맨 은은 물로 적시시킨다.
  하수도/해수면/의외물/지하수도로 담하지 않게 한다.
물질안전보건자료
GHS에 따라

제품명: Diamond Paste

(2쪽부터계속)

7 취급 및 저장방법

취급:

- 안전 취급을 위한 예방조치: 작업장에서는 통풍이 잘되고/습기제거가 잘되게 주의한다. 연주물이 형성되는 것을 피한다.
- 화재 및 폭발 사고 예방대책에 관한 정보: 특별한 조치가 필요없음.
- 환경위험성 및 안전 저장 조건: 보관:
- 안전한 저장 방법: 특별한 요구사항이 없음.
- 보관 조건 예방 조치: 보관 관련 정보: 용기를 새지 않게 밀폐한 채 보관한다.
- 구체적 최상 사용자 추가적인 정보가 존재하지 않습니다.

8 노출방지 및 개인보호구

- 환경안전이야기에 대한 추가정보: 다른 상의 자료는 없음. 항목 7을 참고하시오.
- 통제 변수
- 화학물질의 노출기준, 생물학적 노출기준 등: 본 제품에는 작업장에서 감시가 필요한 주요한 가치의 어떤 해당 재료의 양을 확인하고 있지 않다.
- 추가 정보: 제조 당시에 유 효한 목록을 기초로 사용하였다.
- 노출 통제
- 개인보호구
- 일반적노출조절 및 위생조치: 식료품, 음료수와 사료로부터 멀리 떨어져 놓는다. 더워지거나 음료수가 묻은 옷은 즉시 탈의한다. 휴식 시간이 되면 작업한 후 휴식을 취한다. 눈과 피부의 접촉은 피한다.
- 호흡기 보호: 단시간 또는 경미한 오염의 경우에는 호흡을 막아 기름을 사용한다. 심각한 또는 장기적인 노출시에는 호흡 보호 장치를 사용한다.
- 손 보호: 보호용 장갑

장갑재질은 재료 / 원료 / 조제물투과시키지 않아야하고, 내구성이 있어야한다. 테스트를 하지 않기 때문에 제품 / 조제 / 화학 혼합 물에 적합한 장갑재질에 대한 추천이 없다. 투과 시간, 침투 용과 저항을 고려해서 장갑의 재료를 선택한다.

장갑의 재료는 적합한 장갑의 성능은 재질차이에 따른 안전을 고려하여 이어져야하고 재료표준에 따라야 한다. 제품은 다양한 재료로부터의 조제로 이루어지는 것이기 때문에, 장갑재질의 안전성은 사전에 살펴봐야할 수 있는 것이 아니고, 반드시 사용시에 (그안전성) 체크되어야한다.
제품명: Diamond Paste

장갑 재료의 투과 시간: 정확한 관통 시간은 보호 장갑 제조자에 의하여 인지되고, 준수되어야 한다.

눈 보호:

9 물리화학적 특성

<table>
<thead>
<tr>
<th>기본 물리 및 화학적 특성에 대한 정보</th>
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<td>색</td>
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<td>녹는점/기화점</td>
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<tr>
<td>초기 녹는점과 기화점 범위</td>
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<tr>
<td>인화점</td>
</tr>
<tr>
<td>인화성(고체, 기체)</td>
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<tr>
<td>분해 온도</td>
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<tr>
<td>자기점화</td>
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<tr>
<td>폭발위험</td>
</tr>
<tr>
<td>인화 또는 폭발 범위의 상한/하한</td>
</tr>
<tr>
<td>암시(field) 위로</td>
</tr>
<tr>
<td>중기압</td>
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<tr>
<td>미질</td>
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<tr>
<td>비중</td>
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<td>중기밀도</td>
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<td>중방 속도</td>
</tr>
<tr>
<td>용해도:</td>
</tr>
<tr>
<td>VOC (EU)</td>
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<tr>
<td>고체의 함량:</td>
</tr>
</tbody>
</table>
제품명: Diamond Paste

10 안전성 및 반응성

- 반응성: 추가적인 정보가 존재하지 않습니다.
- 화학적 안전성: 추가적인 정보가 존재하지 않습니다.
- 유해반응 가능성: 위험한 반응으로는 알려져있지 않습니다.
- 피해야 할 조건: 추가적인 정보가 존재하지 않습니다.
- 유해분해물질: 위험성있는분해물들은알려지지 않았다.
- 혼합 금지 물질: 추가적인 정보가 존재하지 않습니다.
- 유해분해물질: 위험성있는분해물들은알려지지 않았다.

11 독성에 관한 정보

- 독성학적 영향에 대한 정보
- 급성 독성: 추가적인 정보가 존재하지 않습니다.
- 흡수, 호흡 및 피부 접촉
  - 급성 독성: 추가적인 정보가 존재하지 않습니다.
  - 부작용: 추가적인 정보가 존재하지 않습니다.
- 순환 시스템에 대한 영향
  - 간: 추가적인 정보가 존재하지 않습니다.
  - 담장: 추가적인 정보가 존재하지 않습니다.
  - 장기적: 추가적인 정보가 존재하지 않습니다.
- 생물농축: 추가적인 정보가 존재하지 않습니다.
- 피부: 추가적인 정보가 존재하지 않습니다.
- 재분포: 추가적인 정보가 존재하지 않습니다.
- 흡수: 추가적인 정보가 존재하지 않습니다.
- 각기구: 추가적인 정보가 존재하지 않습니다.
- 건강성에 대한 사항: 추가적인 정보가 존재하지 않습니다.

12 환경에 미치는 영향

- 독성: 추가적인 정보가 존재하지 않습니다.
- 수생특성: 추가적인 정보가 존재하지 않습니다.
- 지속성 및 분해성: 추가적인 정보가 존재하지 않습니다.
- 토양내 이동성: 추가적인 정보가 존재하지 않습니다.

- 일반 특징: 추가적인 정보가 존재하지 않습니다.
- 환경오염등급 1 (자체등급분류): 추가적인 정보가 존재하지 않습니다.
- 환경사용설명서: 추가적인 정보가 존재하지 않습니다.
- vPvB: 추가적인 정보가 존재하지 않습니다.

13 폐기시 주의사항

- 폐기물 처리 방법
  - 참고: 생활쓰레기와 함께 처리되어야 합니다. 하수도로 유입되어서는 안 됩니다.
  - 비위생적 포장: 추가적인 정보가 존재하지 않습니다.

(6쪽에계속)
## 제품명
Diamond Paste

### 주천 세정제
경우에 따라 세제가 첨가된 물

### 운송에 필요한 정보

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<td>ADR, IMDG, IATA</td>
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<td>UN 적정 선적명</td>
<td>ADR, IMDG, IATA</td>
</tr>
<tr>
<td>교통 위험 클래스</td>
<td>ADR, ADN, IMDG, IATA</td>
</tr>
<tr>
<td>등급</td>
<td>놓려된다</td>
</tr>
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<td>용기등급</td>
<td>ADR, IMDG, IATA</td>
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<td>환경적 유해물질</td>
<td>해당사항 없음</td>
</tr>
<tr>
<td>이용자 특별 예방조치</td>
<td>해당사항 없음</td>
</tr>
<tr>
<td>MARPOL73/78(선박으로부터의 해양오염방지협약) 부속서2 및 IBC Code(국제선적화물코드)에 따른 볼크(bulk) 운송</td>
<td>해당사항 없음</td>
</tr>
<tr>
<td>UN &quot;모범 규제&quot;</td>
<td>놓려된다</td>
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### 법적 규제현황

<table>
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<td>산업안전보건법에 의한 규제</td>
<td></td>
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<tr>
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<td>어떠한 내용물도 목록화되어 있지 않다</td>
</tr>
<tr>
<td>허가대상물질</td>
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<td>Korean Existing Chemical Inventory</td>
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<td>9038-95-3 Polyalkylene glycol monobutyl ether</td>
<td>KE-24620</td>
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<tr>
<td>112945-52-5 Silicon dioxide</td>
<td>KE-30953</td>
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<td>화학물질관리법</td>
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<td>어떠한 내용물도 목록화되어 있지 않다</td>
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제품명: Diamond Paste

제한물질
어떠한내용물도목록화되어있지않다

유독물질
어(346,311),(510,311),(510,328),(346,328) 떠한내용물도목록화되어있지않다

허가물질
어 떠한내용물도목록화되어있지않다

등록또는또는신고면제대상
화학물질어 떠한내용물도목록화되어있지않다

'21년까지등록하여야할
암암암암
 돌연변이 돌연변이 돌연변이 돌연변이
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이상을일으키거나
일으킬우려가있는기존화학물질
어 떠한내용물도목록화되어있지않다

중점관리물질의지정

표1중점관리물질(제2조관련)
어 떠한내용물도목록화되어있지않다

표2중점관리물질(제2조관련)
어 떠한내용물도목록화되어있지않다

GHS라벨요소
본제품은화학물질의분류및표기에관한국제조화시스템(GHS)에따라분류및표기되었습니다.

신호어경고

유해.위험문구
피부에자극을일으킴
눈에심한자극을일으킴

예방조치문구
취급후에는취급부위를처저히씻으십시오.
보호방패/눈보호대/안면보호구착용.
눈에물으면몇분간물로조심해서씻으십시오.가능하면콘택트렌즈를제거하시고.계속씻으십시오.
피부자극이생기면의학적인조언·주의를받으십시오.
오염된의복은벗고다시사용전세척하십시오.
눈에대한자극이지속되면의학적인조언·주의를받으십시오.
화학물질안전성평가:화학물질안전성평가가수행되지않음

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16 그 밖의참고사항

이보고는우리지식에대한오늘날의상태에대하여평가하고있다.하지만이보고서는생산특성에관한보증은
기술하지않았으며계약적인범위관련증거를두고있지않다

최초작성일자: 2020.09.16
개정횟수및최종개정일자: 1/2020.09.16

약어와두문자어
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)
<table>
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<tr>
<th>제품명:</th>
<th>Diamond Paste</th>
</tr>
</thead>
</table>

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: *Diamond Paste*

- **1.2 Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados**
  - No existen más datos relevantes disponibles.
  - Utilización del producto / de la elaboración: Sustancias químicas de laboratorio

- **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
    El producto no se ha clasificado de conformidad con el reglamento CLP.

- **2.2 Elementos de la etiqueta**
  - Etiquetado con arreglo al Reglamento (CE) n° 1272/2008 suprimido
  - Pictogramas de peligro suprimido
  - Palabra de advertencia suprimido
  - Indicaciones de peligro suprimido

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

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.

( se continua en página 2 )
SECCIÓN 4: Primeros auxilios

4.1 Descripción de los primeros auxilios

- **En caso de inhalación del producto:**
  Las personas desmayadas deben tenderse y transportarse de lado con la suficiente estabilidad.
- **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:** Consultar un médico si los trastornos persisten.

4.2 Principales síntomas y efectos, agudos y retardados

- No existen más datos relevantes disponibles.

4.3 Indicación de toda atención médica y de los tratamientos especiales que deban dispensarse inmediatamente

- No existen más datos relevantes disponibles.

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

- No es necesario.

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).
  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.
  Para mayor información sobre cómo deshacer el producto, ver capítulo 13.

SECCIÓN 7: Manipulación y almacenamiento

7.1 Precauciones para una manipulación segura

- Asegurar suficiente ventilación /aspiración en el puesto de trabajo.
  Evitar la formación de aerosoles.

7.2 Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades

- **Almacenamiento:** Exigencias con respecto al almacen y los recipientes: No se requieren medidas especiales.
  Normas en caso de un almacenamiento conjunto: No es necesario.
  Indicaciones adicionales sobre las condiciones de almacenamiento:
  Mantener el recipiente cerrado herméticamente.
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 sustancias 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.
    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.
Ante la ausencia de tests específicos, no se puede recomendar ningún material específico para guantes de protección contra el producto / preparado / mezcla de substancias químicas.
Selección del 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 avaluada 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
Nombre comercial: Diamond Paste

SECCIÓN 9: Propiedades físicas y químicas

9.1 Información sobre propiedades físicas y químicas básicas

Datos generales

- Aspecto: Pastoso
- Color: Opaco
- Olor: Suave

- 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: 200 °C

- Punto de inflamación: 90 °C
- Inflamabilidad (sólido, gas): No aplicable.
- Temperatura de descomposición: No determinado.
- Temperatura de auto-inflamación: El producto no es autoinflamable.
- Propiedades explosivas: No determinado.

- 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.

- 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:
  VOC (CE): 0,00 %
- Contenido de cuerpos sólidos: 0,0 %
- 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.
**SECCIÓN 11: Información toxicológica**

- **11.1 Información sobre los efectos toxicológicos**
  - Toxicidad aguda: A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
  - Efecto estimulante primario:
    - Corrosión o irritación cutáneas: A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
  - Lesiones o irritación ocular graves:
    - A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
  - Sensibilización respiratoria o cutánea:
    - A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
  - Efectos CMR (carcinogenicidad, mutagenicidad y toxicidad para la reproducción):
    - Mutagenicidad en células germinales:
      - A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
    - Carcinogenicidad:
      - A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
    - Toxicidad para la reproducción:
      - A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
  - Toxicidad específica en determinados órganos (STOT) – exposición única:
    - A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
  - 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.
 Nationales
ADR, IMDG, IATA
suprimido

- 14.3 Clase(s) de peligro para el transporte
- ADR, ADN, IMDG, IATA
- Clase
suprimido

- 14.4 Grupo de embalaje
- ADR, IMDG, IATA
suprimido

- 14.5 Peligros para el medio ambiente: No aplicable.

- 14.6 Precauciones particulares para los usuarios No aplicable.

- 14.7 Transporte a granel con arreglo al anexo II del Convenio MARPOL y el Código IBC No aplicable.

- "Reglamentación Modelo" de la UNECE: suprimido

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

- 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
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