

Material Safety Data Sheet

(14652)

Section 1: Chemical Product and Company Identification

Product Name: Technovit 3040 Powder

Catalog Number: 14652

CAS#: see Section 2

Contact Information:

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Section 2: Composition and Information on Ingredients

Chemical characterization

Description: Product based on methacrylate copolymers

Dangerous components:

CAS: 94-36-0	Dibenzoyl peroxide	Xi, E; R 2-36-43	0-5%
EINECS: 202-327-6			

Additional Information: For the wording of the listed risk phrases refer to Section 16.

Section 3: Hazards Identification

Information pertaining to particular dangers for man and environment.

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 43: May cause sensitization by skin contact.

Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

Section 4: First Aid Measures

After skin contact: Instantly wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Initiate vomiting and consult a doctor.

Section 5: Fire and Explosion Data

Suitable extinguishing agents

CO₂, extinguishing powder for water jet. Fight larger fires with water jet or alcohol-resistant foam.

Special hazards caused by the material, its products of combustion or flue gases:

Formation of toxic gases is possible during heating or in case of fire.

Protective equipment: No special measures required.

Section 6: Accidental Release Measures

Person-related safety precautions: Not required.

Measures for environmental protection: no special measures required.

Measures for cleaning/collecting: Collect mechanically.

Additional information: No dangerous materials are released.

Section 7: Handling and Storage

Handling

Information for safe handling: No special measures required.

Information about protection against explosions and fires: No special measures required.

Storage

Requirements to be met by storerooms and containers: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None

Section 8: Exposure Controls/Personal Protection

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

Components with critical values that require monitoring at the workplace:

94-36-0 dibenzoyl peroxide

OES: Long-term value: 5 mg/m³

84-61-7 dicyclohexyl phthalate

OES: Long-term value: 5 mg/m³

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

Personal protective equipment

General protective and hygienic measures

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Breathing equipment: Not required.

Protection of hands:

If skin contact cannot be avoided, protective gloves are recommended to avoid possible sensitization.

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

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 cannot 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.

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

Butyl rubber, BR
Fluorocarbon rubber (Viton)
Nitrile rubber, NBR
Natural rubber, NR
Chloroprene rubber, CR

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Natural rubber, NR

Eye protection: not absolutely necessary

Body protection: Light weight protective clothing

Section 9: Physical and Chemical Properties

General Information:

Form: Powder

Color: Different according to color

Smell: Odorless

Changes in condition

Melting Point/Melting Range: Not determined

Boiling Point/Boiling Range: Not determined

Flash Point: Not applicable

Ignition temperature: 400°C

Self-inflammability: Product is not self-igniting

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

Density at 20°C: 0 g/cm³

Solubility in /Miscibility with water: Insoluble

Solvent content:

Organic solvents: 0.0%

Solids content: 100.0%

Section 10: Stability and Reactivity Data

Conditions to be avoided: No decomposition if used and stored according to specifications.

Dangerous reactions: No dangerous reactions known

Dangerous products of composition: None

Section 11: Toxicological Information

Acute Toxicity:

Primary irritant effect:

On the skin: No irritant effect..

On the eye: No irritant effect

Sensitization toxicological information: Sensitization possible by skin contact.

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

Section 12: Ecological Information

General notes: Generally not hazardous for water.

Section 13: Disposal Considerations

Product:

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Small quantities can be polymerized with the matching system component(s) and the cured solid material can be disposed of with the regular garbage. Larger quantities must be disposed of following the regulations of the local authorities.

European waste catalog

11 01 98: other wastes containing dangerous substances

Uncleaned packagings:

Recommendation: Packaging can be reused or recycled after cleaning.

Section 14: Transport Information

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

ADR/RID-GGVS/E Class: -

Maritime transport IMDG/GGVSea:

IMDG/GGVSea Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

Section 15: Other Regulatory Information

Designation according to EC guidelines:

The product has been classified and labeled in accordance with EC Directives/Ordinance on Hazardous Materials (GefStoffV)

Code letter and hazard designation of product:

Xi: Irritant

Hazard-determining components of labeling:

Dibenzoyl peroxide

N,N-dimethyl-p-toluidine

Risk phrases:

43: May cause sensitization by skin contact.

Safety phrases:

24: Avoid contact with skin.

37: Wear suitable gloves.

43: In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

National regulations

Water hazard class: Generally not hazardous for water.

Section 16: Other Information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

2: Risk of explosion by shock, friction, fire or other sources of ignition.

36: Irritating to eyes.

43: May cause sensitization by skin contact

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