

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 04.09.2008

Revision: 04.09.2008

1 Identification of substance:

- **Product details:**
- **Trade name:** Dipentaerythritol
- **Application of the substance / the preparation** Chemicals for synthesis
- **Supplier/Manufacturer:**
 Penpet Petrochemical Trading GmbH
 Merkur-Park
 Sieker Landstrasse 126
 22143 Hamburg
 Germany
 Tel: +49 40 675 799 0
 Fax: +49 40 675 799 99 / 88
- **Email competent person:** angelika.torges@kft.de
- **Information department:** See supplier/manufacturer
- **Emergency information:** National Poisons Information Centre Tel.: +44 (0)870 6006266

2 Hazards identification

- **Hazard description:** not applicable
- **Information pertaining to particular dangers for man and environment:**
 According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).

3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description:**
 126-58-9 2,2,2',2'-tetrakis(hydroxymethyl)-3,3'-oxydipropan-1-ol
- **Identification number(s):**
- **EINECS Number:** 204-794-1

4 First aid measures

- **General information:** If symptoms persist or in case of doubt seek medical advice.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap and rinse with plenty of water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
 Rinse mouth with water.
 Drink 3-4 glass of milk or water.
 If symptoms persist consult doctor.
- **Information for doctor:**
- **Treatment:** Symptomatic treatment

5 Fire fighting measures

- **Suitable extinguishing agents:**
 CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
 Use fire fighting measures that suit the environment.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
 Dangerous decomposition product see chapter 10: stability and reactivity
- **Protective equipment:** Wear self-contained respiratory protective device.

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Additional information:

- Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
- Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Person-related safety precautions:

- Avoid formation of dust.
- Ensure adequate ventilation
- Wear protective clothing.

Measures for environmental protection:

- Do not allow product to reach sewage system or any water course.
- Do not allow to penetrate the ground/soil.

Measures for cleaning/collecting:

- Pick up mechanically.
- Send for recovery or disposal in suitable receptacles.

7 Handling and storage

Handling

- Information for safe handling:** Prevent formation of dust.
- Information about protection against explosions and fires:** Dust can combine with air to form an explosive mixture.



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges

Storage

- Requirements to be met by storerooms and receptacles:** Store at ambient temperatures and at dry conditions.
- Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from feed.
- Further information about storage conditions:** None.
- Storage class** 11 Combustible solids

8 Exposure controls and personal protection

- Additional information about design of technical systems:** No further data; see item 7.
- Components with limit values that require monitoring at the workplace:** Not required.
- Additional information:** The lists that were valid during the creation were used as basis.

Personal protective equipment**General protective and hygienic measures:**

- The usual precautionary measures should be adhered to when handling chemicals.
- Vacuum clean contaminated clothing. Do not blow or brush off contamination.
- Do not inhale dust / smoke / mist.
- Avoid close or long term contact with the skin.
- Avoid contact with the eyes.
- Do not eat or drink while working.
- Wash hands before breaks and at the end of work.

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· Breathing equipment:

Not necessary if room is well-ventilated.

At formation of dust:

Dust protection mask

· Protection of hands:

At longer contact: protective gloves

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

After use of gloves apply skin-cleaning agents and skin cosmetics.

· Material of gloves:

For undissolved solid substances following materials may be suitable:

Nitrile rubber, NBR

Butyl rubber, BR

Polychloroprene rubber (CR)

Fluorocarbon rubber (FKM)

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.

· 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: Safety glasses**· Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form: Powder
Colour: Whitish
Odour: Characteristic

· Change in condition:**Melting point/Melting range:** 215-218°C**Boiling point/Boiling range:** not determined**· Flash point:** not applicable**· Flammability (solid, gaseous)** Product is not flammable.**· Danger of explosion:** Product does not present an explosion hazard.**· Density:** Not determined**· Solubility in / Miscibility with****Water at 20°C:** 2.8 g/l

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.**· Materials to be avoided:** Strong oxidants**· Dangerous reactions:** No dangerous reactions known**· Dangerous products of decomposition:**

In the case of fire or at high temperatures the formation of the following decomposition products is possible.

Carbon monoxide and carbon dioxide

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11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** No toxicity data are available for the product itself.
- **Primary irritant effect:**
- **on the skin:** not determined
- **on the eye:** not determined
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

- **Ecotoxicological effects:**
- **Aquatic toxicity:** Presently there are no ecotoxicological values available.
- **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.
Danger to drinking water is possible if large quantities leak into the ground or into water course.

13 Disposal considerations

- **Product:**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** No hazardous good according to the regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good according to the regulation.
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** No hazardous good according to the regulation.

15 Regulations

- **Markings according to EC guidelines:**
Observe the general safety regulations when handling chemicals
The substance(product) is not subject to classification according to EC-directives and other sources of literature known to us.
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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16 Other information:

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

· Department issuing MSDS:

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