

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 15.07.2009

Revision: 15.07.2009

1 Identification of substance/preparation and of the company/undertaking:

- **Product details:**
- **Trade name:** Di-(2-ethylhexyl) Terephthalate
- **Application of the substance / the preparation** Plasticizer
- **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).
Light irritant effect on skin and eyes is possible.
Pay attention to information given in this Safety Data Sheet!

3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description:**
6422-86-2 bis(2-ethylhexyl) terephthalate
- **Identification number(s):**
- **EINECS Number:** 229-176-9

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.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse the eyes with open eyelids for 10 - 15 minutes with water.
If symptoms persist consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Whether vomiting should be induced or not has to be decided by a doctor.
In case of unintentional swallowing of bigger quantities or if any symptoms occur seek medical treatment.
- **Information for doctor:**
- **Treatment:** Symptomatic treatment

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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.
- **For safety reasons unsuitable extinguishing agents:** Direct jet water
- **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.
- **Additional information:**
Cool endangered receptacles with water spray.
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:**
Wear protective clothing.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Ensure adequate ventilation
- **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:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with eyes and skin.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store at ambient temperature.
Store only in the original receptacle.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from feed.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Keep receptacle tightly sealed.
- **Storage class** 10 Combustible liquids

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.

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- **Personal protective equipment**
- **General protective and hygienic measures:**
 The usual precautionary measures should be adhered to when handling chemicals.
 Immediately remove all soiled and contaminated clothing
 Do not inhale gases / fumes / aerosols.
 Avoid close or long term contact with the skin.
 Avoid contact with the eyes.
 Do not eat or drink while working.
 The usual protective measures based on the application have to be followed.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**
 Chemical resistant 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:**
 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 penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:**
 chemical resistant protective clothing
 Selection of protective clothing is subject to the specific kind of work and the corresponding risk potential.

9 Physical and chemical properties:

- **General Information**

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
- **Change in condition:**

Melting point/Melting range:	-48°C
Boiling point/Boiling range:	383°C
- **Flash point:** > 110°C (closed cup)
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 0.984 g/cm³
- **Solubility in / Miscibility with Water:** Insoluble
- **Segregation coefficient (n-octanol/water):** 8.39 log POW
(Estimated)

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:** Reactions with above-mentioned substances
- **Dangerous products of decomposition:**
 In the case of fire or at high temperatures the formation of the following decomposition products is possible.

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Carbon monoxide and carbon dioxide

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11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
Oral LDLo 20000 mg/kg (mouse)
- **Primary irritant effect:**
- **on the skin:**
slight skin irritation
Not to be classified
- **on the eye:**
Slightly irritant
Not to be classified
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
After swallowing: irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is readily biodegradable.
- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:**
Potential for bioconcentration in aquatic organisms is low.
BCF:
- **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.
According to appendix 3 of VwVwS dated 27.7.2005 (German regulation)
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to instructions of local authorities.
- **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.

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15 Regulatory information:

· Markings according to EC guidelines:

The substance(product)is not subject to classification according to EC-directives and other sources of literature known to us.
Observe the general safety regulations when handling chemicals

· National regulations**· Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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:

KFT Chemieservice GmbH
Im Leuschnerpark. 3 D-64347 Griesheim
Postfach 1451 D-64345 Griesheim

Tel.: +49 6155 86829-0 Fax: +49 6155 86829-25

· Contact: Angelika Torges**· Sources:**

Toxnet ChemID
HSDB database

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