

Safety Data Sheet

According to 1907/2006/EC, Article 31

Printing date:24.10.2008

Reviewed on 24.10.2008

1 Identification of substance

- Product details
Trade name: **DEHS**
- Manufacturer/Supplier:
PALAS GmbH
Greschbachstr.3b
76229 Karlsruhe
Tel.: 0721/96213-0
Fax: 0721/96213-33
www.palas.de
- Informing department: Product safety department
- Emergency information:
Giftnotruf München Tel.:+49 / 89 / 1 92 40
Informationszentrale für Vergiftungen, Freiburg
Tel.: +49 / 761 / 270 43 61 or +49 / 761 / 270 43 05

2 Hazards identification

- Hazard designation:void
- Information pertaining to particular dangers for man and environment:
Keep away from food,drink and animal feedingstuffs.
- GHS label elements: void

3 Composition/information on ingredients

- Chemical characterization:
- CAS-No. Designation:
122-62-3 bis(2-ethylhexyl) sebacate
- Identification number(s):
- EINECS-Number: 204-558-8

4 First aid measures

- General information: No special measures required.
- After inhalation: Supply fresh air;consult doctor in case of symptoms.
- After skin contact: The product is generally not skin irritant.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallow: Seek immediate medical advice.

5 Fire fighting measures

- Suitable extinguishing agents: CO2, extinguishing powder or water jet. Fight larger fires with water jet.
- Protective equipment:No special measures required.

6 Accidental release measures:

- Person-related safety precautions:Not required.
- Measures for environmental protection: No special measures required.
- Measures for cleaning/collecting:
Absorb with liquid-binding material (sand,diatomite,acid binders,universal binders,sawdust).
- Additional information:No dangerous material are released.

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7 Handling and storage

- Handling:
 - Information for safe handling: No special precautions necessary if used correctly.
 - 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: Store away from foodstuffs.
 - Further information about storage conditions:None.

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 compilation were used as basis.
- Personal protective equipment:
 - General protective and hygienic measures:
 - The usual precautionary measures should be adhered to general rules for handling chemicals.
 - Breathing equipment:Not required.
 - Protection of hands:
 - 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 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: Nitrile rubber, NBR
 - For the permanent contact gloves made of the following material are suitable: Nitrile rubber, NBR
 - Eye protection:Safety glasses recommended during refilling.

9 Physical and chemical properties

- General information:
 - Form: fluid
 - Colour: colourless
 - Odour:Weak,characteristic
- Change in condition:
 - Melting point/Melting range: approx. -67°C
 - Boiling point/Boiling range: > 250°C
- Flashpoint: 230°C
- Danger of explosion: Product is not explosive.

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- Vapour pressure: at 20°C: <0,01 hPa
- Density: at 20°C: 0,91 g/cm³
- Solubility in/Miscibility with water at 20°C: <0,0001 g/l
- Viscosity:
dynamic at 20°C: 19 - 23 mPas
Organic solvents: 0,0 %
- VOC-EU 0,00 %
- VOC-EU g/l
- VOC-CH 0,00 %

10 Stability and reactivity

- Thermal decomposition/conditions to be avoided:
No decomposition if used and stored according to specifications.
- Dangerous products of decomposition: Possible in traces.

11 Toxicological information

- Acute toxicity:
- LD/LC50 values that are relevant for classification:
122-62-3 bis(2-ethylhexyl) sebacate
Oral LD50 >12800 mg/kg (rat)
- Primary irritant effect:
· on the skin: no irritant effect.
· on the eye: irritant effect.
- Sensitization: no sensitizing effect known.
- Additional toxicological information:
The material is not subject to classification according to EC lists in the last version.

12 Ecological information

- General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.

13 Disposal considerations

- Product:
- Recommendation: smaller quantities can be disposed with household garbage.
- Uncleaned packagings:
- Recommendation: disposal must be made according to official regulations.

14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID-GGVS/E Class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: no
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -
- UN „Model regulation“: -

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15 Regulatory information

- Designation according to EC guidelines:
Observe the normal safety regulations when handling chemicals.
The material is not subject to classification according to EC lists 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 :slightly hazardous for water.

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.

- Department issuing data specification sheet: environment protection department.
- Contact: department lab
- 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)
RID: Reglement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent