

Safety Data Sheet

Methylhexahydrophthalic anhydride 37

Version: 02.01.2007 / EN

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

Trade name : Methylhexahydrophthalic anhydride 37

Street address : Polynt SpA
Stabilimento di Scanzorosciate
Via Enrico Fermi 51
IT 24020 Scanzorosciate, BG
Telephone: ++39 035 652 111

Emergency telephone number : Telephone: ++39 035 652 276 (24h)

2. Composition/information on ingredients

Components / EC Label	Concentration
Cyclohexane-1,2-dicarboxylic anhydride (CAS-No.: 85-42-7) (EEC-No.: 201-604-9) Xn; R41, R42/43	ca. 30 % (*)
Hexahydro-4-methylphthalic anhydride (CAS-No.: 19438-60-9) (EEC-No.: 243-072-0) Xn; R41, R42/43	ca. 70 % (*)

R-phrase(s) see chapter 16

(*) Components with workplace control parameters see chapter 8

3. Hazards identification

Classification

Risk of serious damage to eyes.
May cause sensitization by inhalation and skin contact.

4. First aid measures

Inhalation : Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.

Skin contact : After contact with skin, wash immediately with plenty of soap and water. Consult a physician.

Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Call a physician immediately.

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Ingestion : Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Suitable extinguishing media : foam, carbon dioxide (CO₂), water spray, halons, dry powder

Specific hazards during fire fighting : Heating or fire can release toxic gas.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Additional advice : Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions : Use respirator when performing operations involving potential exposure to vapour of the product.

Environmental precautions : Prevent product from entering drains.

Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not flush into surface water or sanitary sewer system.

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7. Handling and storage

Handling

Safe handling advice: : Provide sufficient air exchange and/or exhaust in work rooms. Avoid contact with skin and eyes.

Advice on protection against fire and explosion : Take precautionary measures against static discharges.

Storage

Requirements for storage areas and containers : Keep container tightly closed. To maintain product quality, do not store in heat or direct sunlight. Keep in a dry, cool and well-ventilated place.

8. Exposure controls / personal protection

Components with workplace control parameters

Cyclohexane-1,2-dicarboxylic anhydride (CAS-No.: 85-42-7)

US ACGIH

Remarks : no data available

Hexahydro-4-methylphthalic anhydride (CAS-No. 19438-60-9):

US ACGIH

Remarks : no data available

Personal protective equipment

Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Respiratory protection : Use respirator when performing operations involving potential exposure to vapour of the product.

Hand protection : PVC or other plastic material gloves

Eye protection : Wear eye/face protection.

Skin and body protection : Wear suitable protective clothing and gloves.

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9. Physical and chemical properties

Appearance

State of aggregation : liquid
Colour : colourless
Odour : aromatic

Safety data

Melting point/range : ca. -35 °C
Flash point : open cup : ca. 143 °C
Density : ca. 1,176 g/cm³ (25 °C)
ca. 1,166 g/cm³ (40 °C)
Water solubility : ca. 31 g/l (20 °C)
Viscosity, dynamic : ca. 64,8 mPa.s (25 °C)
ca. 27 mPa.s (40 °C)

10. Stability and reactivity

Conditions to avoid: : no data available
Materials to avoid : alkali metals
: Stable under normal conditions.
Hazardous reactions

11. Toxicological information

The following toxicological data refer to:

Cyclohexane-1,2-dicarboxylic anhydride (CAS-No.: 85-42-7)
Acute oral toxicity (LD50) : 4040 mg/kg
Species: rat

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12. Ecological information

Further Information

Additional advice : There is no data available for this product.

13. Disposal considerations

Waste from residues : The organic ingredients can be incinerated in a suitable installation when in accordance with local regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

Contaminated packaging : Where possible recycling is preferred to disposal or incineration.

14. Transport information

ADR : Not dangerous goods

RID : Not dangerous goods

IATA Cargo : Not dangerous goods

IATA Passenger : Not dangerous goods

IMDG-Code : Not dangerous goods

15. Regulatory information

Additional advice : Classification and labelling according to Directive 1999/45/EC.

Symbol(s) :   

: Harmful

R-phrase(s) R41: Risk of serious damage to eyes.
R42/43: May cause sensitization by inhalation and skin contact.

S-phrase(s) S23: Do not breathe vapour.
S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye/face protection.

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16. Other information

Other regulations : The components of this product are reported in the following inventories: EINECS, TSCA.

R-phrase(s)

R41 : Risk of serious damage to eyes.
R42/43 : May cause sensitization by inhalation and skin contact.

Changes since the last version will be highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.