
ISP Material Safety Data SheetRevision date: November 1st, 2008Product: Expanding PU-resin 2234/2566 (sealing agent in 2 component bags).

1. Identification of the substance, the preparation and the company

1.1 Trade name: Expanding PU-resin 2234/2566 as supplied in MD-type duct sealing kits (sealing agents in 2 component bags).

1.2 Manufacturer: Industrial Support Products Ltd. , Unit B1, Lambs Farm Business Park, Basingstoke Road, Swallowfield, Reading, Berkshire, RG7 1PQ
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2. Risk's

R20 Harmful by inhalation

R36/37/38 irritating to eyes, respiratory system and skin.

R42/43 may cause sensitization by inhalation and skin contact.

3. Composition and information of the components**Chemical description**

4.4'-methyleendifenyldiisocyanat, (PMDI)

CAS-Nr. 9016-87-9

4 First aid measures

General indications: Immediately remove contaminated clothing.

After inhalation: Keep patient calm, remove to fresh air and keep him warm, and seek medical attention.

After skin contact: Immediately wash with warm water and soap.

After eye contact: Rinse immediately 10 min. with opened eye under lukewarm running water and consult a doctor.

After ingestion: Rinse mouth, do not induce vomiting, drink plenty of water and seek medical attention.

Note to physician:

Hazards: Symptoms can appear later.

Treatment: Treat according to symptoms (decontamination, vital functions), no know specific. Antidote, administer corticosteroid dose aerosol to prevent pulmonary odema.

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5. Fire fighting measures

Suitable extinguishing media: Dry extinguishing media, Alcohol resistant foam, carbon dioxide (CO₂), Water spray (large quantities).

At fire can be released: carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen cyanide.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Measures at accidental release of the substance.

Precaution measures for persons:

Use protective clothing. Ensure adequate ventilation.

Use breathing apparatus if exposed to vapours/dust/aerosol.

Environmental precautions:

Do not empty into drains. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations

7. Handling and storage

Ensure thorough ventilation of stores and work areas.

Keep package tightly closed in a cool well ventilated place.

Formation of CO₂ and build up of pressure possible.

Keep away from water, segregate from foods and animal feeds.

Segregate from acids and bases.

Storage temperature: 15 – 25 °C

8. Measures for control of exhibition/personal protection

Components with workplace control parameters

Diphenylmethane-4,4"-diisocyanate (P)MDI

TWA value 0,02 mg/m³ COSHH OEL (GB)

STEL value 0,07 mg/m³ COSHH OEL (GB)

Personal protective equipment:

Hand protection: gloves of rubber or plastic.

Eye protection: eye or face protection.

Body protection: safety shoes

General measures:

No eating, drinking or smoking at the place of work.

At the end of the shift, the skin should be cleaned and skin-care agents applied.

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9. Physical and chemical properties

Form: Liquid, after mixing the product will become fixed foam.

Colour of the PMDI: brown.

Sense of smell: Earthy, musty.

Security data:

Melting point: <0°C

Boiling range > 200°C

Flash point: > 200 °C.

Ignition temperature: > 530 °C

Vapour pressure: 0.00001 hPa (25°C.)

Volume mass: 1.23 g/cm³ (25°C.)Solubility in water: Slow reaction, gets gassing CO₂ and it forms Polyureum.

Viscosity: (25°C.) Approx. 1000 mPas. (mixture)

10. Stability and reactivity

Circumstances to avoid: Do not heat because thermal decomposition can occur.

Decomposition starts above 230 °C.

Substances to avoid: acids, alcohols, amines, water, alkalines.

Reactivity: After mixing of the components, an exothermic reaction occurs.

Dangerous decomposition products: At correct use and application: no decomposition.

11. Toxicological information

Acute toxicity

LD50 orally rat: > 10.000 mg/kg.

LD50 dermal rabbit: > 5.000 mg/kg.

Primary skin irritation: irritant

Primary irritations of the mucous membrane: irritant

Sensitization dermal: can cause sensitization.

Further information:

Experiences in humans:

Coughing, dyspnea, tightness in the chest, temporary influenzal symptoms:

Can severely irritate the eyes and respiratory tract depending upon the concentration.

Delayed appearance of the symptoms and allergic reaction in susceptible person possible.

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12. Ecological information

Fluids: Hazardous for water

Do not release untreated into natural waters. Do not allow to enter soil, waterways or wastewater channels.

13. Instructions for disposal

Fluids: Must be treated specially, according to the local government regulations, for example: to be burned in a suitable combustion installation.

Fixed substances: Can be disposed as garbage in conformity with local government regulations.

14. Information concerning the transport

Remark: no dangerous goods in relation to the transport legislation

ADR RID ADNR IMDG/GGVSee ICAO/IATA:

15. Regulatory information

Classifications according to EU-guidelines.

Contains: 4,4'-methyleendifenyldiisocyanat, (PMDI)

Hazard symbol: Xn -Harmful.

R-phrases

R20 Harmful by inhalation

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitization by inhalation and skin contact

S-phrases

S23 Do not breathe vapour/spray.

S36/37 Wear suitable protective clothing and gloves.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

16. Remaining information

This product must be stored and used in accordance with justified procedures and legal safety regulations.

This information data is based on our present knowledge and describes our product with a view about security at use.

These data is not a guaranteed specification.
