

---

**ISP Material Safety Data Sheet**Revision date: November 1<sup>st</sup>, 2008Product: Slot Cutting back filling Resin (sealing agent in 2 component bags).

---

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

- 1.1 Trade name:** Slot Cutting back filling Resin  
(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  
Tel : +44 (0)118 9886873
- 1.3 Emergency phone:** Tel : +44 (0)118 9886873 Fax : +44 (0)118 9886576
- 

**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'-methyleendifenylidiisocyanat, (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.

---

---

**ISP Material Safety Data Sheet**

**Revision date:** November 1<sup>st</sup>, 2008

**Product:** Slot Cutting back filling Resin (sealing agent in 2 component bags).

---

**5. Fire fighting measures**

Suitable extinguishing media: Dry extinguishing media, Alcohol resistant foam, carbon dioxide (CO<sub>2</sub>), 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 CO<sub>2</sub> 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/m<sup>3</sup> COSHH OEL (GB)

STEL value 0,07 mg/m<sup>3</sup> 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.

---

---

**ISP Material Safety Data Sheet****Revision date:** November 1<sup>st</sup>, 2008**Product:** Slot Cutting back filling Resin (sealing agent in 2 component bags).

---

**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: &lt;0°C

Boiling range &gt; 200°C

Flash point: &gt; 200 °C.

Ignition temperature: &gt; 530 °C

Vapour pressure: 0.00001 hPa (25°C.)

Volume mass: 1.4 g/cm<sup>3</sup> (25°C.)Solubility in water: Slow reaction, gets gassing CO<sub>2</sub> and it forms Polyureum.

Viscosity: (25°C.) Approx. 3000 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: &gt; 10.000 mg/kg.

LD50 dermal rabbit: &gt; 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.

---

**ISP Material Safety Data Sheet****Revision date:** November 1<sup>st</sup>, 2008**Product:** Slot Cutting back filling Resin (sealing agent in 2 component bags).

---

**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.

---