

# MATERIAL SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION OF SUBSTANCE/ PREPARATION AND COMPANY

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## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization (preparation):

Description: One Component Polyurethane Sealant.

<u>Ingredient</u>	<u>CAS No.</u>	<u>Percent</u>
Polyurethane prepolymer (MDI based)	None	30-40
Polyvinyl chloride	Unknown	20-30
Plasticizer	091082-17-6	20-30
Titanium dioxide	13463-67-7	0-4
Iron oxide	1317-61-9	0-1
Aliphatic petroleum distillate	64742-47-8	1-4
Xylene	1330-20-7	2-5
Diphenyl methane di-isocyanate (MDI)	101-68-8	<0.6
Substances presenting a health hazard		
Xylene		
Diphenyl methane di-isocyanate		

## SECTION 3. HAZARDS IDENTIFICATION

Critical hazards to man and environment:

Inhalation: Irritation to nose and throat, prolonged exposure may cause headache, dizziness, in coordination, slowed reaction time and unconsciousness. Mild skin irritation after repeated or prolonged contact. May cause allergic skin rash.

## SECTION 4. FIRST AID MEASURES

General information:

After inhalation:	Provide fresh air. Give artificial respiration if necessary.
After contact with skin:	Immediately rinse with plenty of soap and water. Remove all contaminated clothing.
After contact with the eyes:	Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.
After swallowing:	Do not induce vomiting. Drink water. Seek medical advice and clearly identify substance.

## SECTION 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Dry powder, foam, carbon dioxide, water spray.

**Extinguishing media which must NOT be used for safety reasons:**

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**  
Carbon monoxide and dioxide, oxides of nitrogen, isocyanates.

**Special protective equipment for fire fighting:**

Use respiratory protection, independent of re-circulated air.  
Wear protective suit.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Ensure adequate ventilation, do not breathe vapours. Proscribe from sources of ignition/explosion.
<b>Environmental precautions:</b>	Observe local byelaws. Do not discharge into drains or into the environment.
<b>Methods for cleaning up:</b>	Absorb mechanically and dispose of according to regulations.

## SECTION 7. HANDLING AND STORAGE

Handling:	Precautions for safe handling - Ensure adequate ventilation. Keep away from sources of ignition. Do not smoke. Precautions against fire and explosion - Observe the general rules for fire prevention.
Storage:	Conditions for storage rooms and vessels - Protect against moisture. Store in a dry, well-ventilated and cool place in original container. Keep container tightly closed.

## SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Further information for system design and engineering measures: Absorb vapours when they appear.

Associate substances with specific control parameters such as limit values:

Personal protection equipment:

General protection and hygiene measures:	
Respiratory protection:	Not required.
Hand protection:	PVC gloves, rubber gloves recommended.
Eye protection:	Not required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance			
Form	Paste.	Auto flammability:	500 Deg. C.
Colour	Coloured.	Oxidising properties:	
Odour	Solvent Odour.	:	
Safety parameters:			

Explosion limits:		Explosion properties:	
Change in physical state:		Percent volatile:	ca 8%
Boiling point:	Omitted	Vapour pressure:	
Flash point:	50 Deg. C.	Vapour density:	3.66 (xylene)
Inflammability:		Density:	1.17g/cm(3) @ 25 Deg. C.
Ignition temperature:		Solubility	Toluene, xylene, MEC.
Solubility in water:	nil.		

**SECTION 10. STABILITY AND REACTIVITY**

General Information: If stored and handled in accordance with standard industrial practices, no hazardous reactions are known.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Prolonged inhalation may cause strong irritation of mucous membranes and respiratory sensitisation, headache, dizziness (see section 3).

**SECTION 12. ECOLOGICAL INFORMATION**

No data known.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Material Recommendations: Incinerate in an industrial facility in the presence of a combustible material.

**SECTION 14. TRANSPORT INFORMATION**

Land transport ADR/RID and GGVS/GGVE:

GGVS/GGVE	:	Non-hazardous material.
ADR/RID	:	Non-hazardous material.
Warning Board	:	Hazard no: Substance No:
Description of goods	:	
Further information	:	
Despatch Symbol	:	
Express	:	Permitted.

Inland navigation AND/ADNR

Further information:

Transport by sea IMDG/GGVsea

IMDG/GGVsea-class	:	non-hazardous material
EmS no	:	
Marine pollutant	:	No
Correct technical name	:	
Technical name	:	
Proper ship name	:	
Further information	:	
Despatch symbol	:	

Air transport ICAO--TI and IATA-DGR transport by air:

ICAO/IATA class	:	non-hazardous material
Correct technical name	:	
Technical name	:	
Proper ship name	:	
Further information	:	
Despatch symbol	:	
Air mail transport	:	permitted

Transport/further information: Informing dept. ref to heading 14. Transport information.

**SECTION 15. REGULATORY INFORMATION**

Identification according to EEC directives: R10-20-36/37/38-42

S26-28-38-45

Contains diphenyl methane di isocyanate.

National regulations.

**SECTION 16. OTHER INFORMATION**

The information contained in this data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.

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