

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT : ROB GUARD EPOXY THINNER

### 2. COMPOSITION / INFORMATION OF INGREDIENTS

Contains Aromatic Hydrocarbons and Butyl alcohol

CAS NO:	Xylene	1330-20-7
	Butanol	71-36-3

### 3. HAZARDS IDENTIFICATION OF THE PREPARATION

Highly Flammable liquid.  
Harmful by inhalation and in contact with skin.  
Irritating to skin.  
Irritating to respiratory system.

### 4. FIRST AID MEASURES

#### General:

In all case of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

#### Inhalation:

Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

#### Eye Contact:

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

#### Skin Contact:

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. **DO NOT** use solvents or thinners.

#### Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest. **DO NOT** induce vomiting.

## 5. FIRE FIGHTING MEASURES

### Extinguishing media:

**Recommended :** Alcohol resistant foam, CO<sub>2</sub>, powders, water spary.

**Not to be used :** Water jet.

### Recommendations:

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water .Do not allow run-off from fire fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in Section 7 and 8. Contain and collect spillage with non- combustible adsorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Do not allow to enter drains or water – courses. If the product contaminates lakes, river or sewages, inform appropriate authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

### Handling:

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentration higher than the occupational exposure limits.

Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Preparation may charge electrostatically : always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and floors should be of the conducting type.

Keep container tightly closed. Isolate from sources of heat, sparks and open flame. No sparking tools should be used.

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist.

Smoking, eating and drinking should be prohibited in application area.

For personnel protection see Section. 8.

Never use pressure to empty : container is not a pressure vessel.  
Always keep in containers of same material as the original one.  
Comply with the health and safety at work laws.

#### Storage:

Store in accordance with local rules and legislation. Observe label precautions.  
Store in a dry, well ventilated place away from sources of ignition. Keep away from oxidising agents, from strongly alkaline and strongly acid materials. No smoking. Prevent unauthorised access. Containers, which are opened must be carefully resealed and kept upright to prevent leakage.

## 8. EXPOSURE CONTROLS / PERSONNEL PROTECTION

#### Engineering Measures:

Provide adequate ventilation. Where reasonably practicable this should be achieved by use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates & solvent vapour below the OEL, suitable respiratory protection must be worn.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Physical state	: Liquid
Colour	: Clear
Odour	: Characteristic
Odour threshold	: Not available
pH	: Not applicable
Melting Point	: Not applicable
Boiling Point	: Lowest Value: 116°C (2-methylpropan-1-ol) Highest Known Value: 160°C
Flash point	: Closed Cup: 29°C (84.2°F)
Burning Time	: Not applicable
Burning Rate	: Not applicable
Evaporation Rate	: Highest Known value: 0.80 (ethylbenzene) Weighted average: 0.67
Flammability (Solid,Gas)	: Not applicable
Lower and upper explosive (Flammable) Limit	: 1.0 -13%
Vapour Pressure	: Highest Known Value : 1.893 kPa (at 20°C) Average : 0.65 kPa (at 20°C)
Vapour Density	: Highest known value: 11.7 (Air = 1) Average : 7.3 (Air = 1)
Relative Density	: 0.80 to 0.90 Kg/Liters
Solubility	: Insoluble in Water

Partition Coefficient : Not Available  
Auto ignition Temperature : Lowest Known Value: >340°C  
Decomposition Temperature : Not Available  
SADT : Not Available

## 10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions. (See Section 7).  
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.  
Keep away from oxidising agents, strongly alkaine and strongly acid materials in order to avoid exothermic reactions.

## 11. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses. Waste and emptied containers should be disposed of according to the local rules & legislation.

## 12. REGULATORY INFORMATION

International regulations  
Chemical Weapon Convention List Schedules I, II & III Chemicals  
Not listed  
Montreal Protocol (Annexes A, B, C, E)  
Not listed  
Stockholm Convention on Persistent Organic Pollutants  
Not listed.

## 13. ECOLOGICAL INFORMATION

Avoid contamination of earth, rivers, lakes or sewages.

## 14. TOXICOLOGICAL INFORMATION

This product was not tested but the information given is based on the known toxicological data of the constituents. The liquid splashed in the eyes may cause irritation.



## 15. TRANSPORT INFORMATION

International Transport Regulations

UN Number: 1263

Page Number: 3149

Sea Pollutant: Yes

Shipping name: Paint

## 16. OTHER INFORMATION

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