

MATERIAL SAFETY DATA SHEET

**1. PRODUCT : ROB GUARD EPOXY TOP COAT MATT
(PART A)**

2. COMPOSITION / INFORMATION OF INGREDIENTS

Contains Aromatic Hydrocarbons, Alcohol, Liquid Epoxy Resin and Pigments

CAS NO:	Epoxy resin	NA
	Xylene	1330-20-7
	Butyl Glycol	111-76-7
	Pigment	13463-67-7

3. HAZARDS IDENTIFICATION OF THE PREPARATION

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

Suitable (and unsuitable) extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use full jet water as an extinguishing agent.

Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

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

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

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 :	RAL COLOURS
Odour :	Characteristic
Odour threshold :	Not available

pH :	Not applicable
Melting Point :	Not applicable
Boiling Point :	Lowest Value: 116°C (2-methylpropane-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%

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. 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.

12. ECOLOGICAL INFORMATION

Avoid contamination of earth, rivers, lakes or sewages.

13. DISPOSAL CONSIDERATIONS

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



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14. TRANSPORT INFORMATION

International Transport Regulations

	ADR/RID	IMDG	IATA
UN Number	1263	1263	1263
UN Proper Shipping name	Epoxy Paints	Epoxy Paints	Epoxy Paints
Transport hazard class(es)	3	3	3
Packing group	III	III	III
Environmental hazards	YES	YES	YES
Additional information	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. Tunnel code (E) Remarks H-14	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. Emergency schedules F-E, S-E	The environmentally hazardous substance mark may appear if required by other transportation regulations.

Special precautions for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Maritime transport in bulk according to IMO instruments:

Not applicable

15. 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.

16. OTHER INFORMATION

FLAMMABLE LIQUIDS - Category 3

SKIN CORROSION/IRRITATION - Category 3

RESPIRATORY SENSITIZATION - Category 1

SKIN SENSITIZATION - Category 1

CARCINOGENICITY - Category 1B

TOXIC TO REPRODUCTION - Category 1B



SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) -

Category 1 AQUATIC HAZARD (ACUTE) - Category 3

AQUATIC HAZARD (LONG-TERM) - Category 2

The information of this MSDS is based on the present state of our knowledge & on current EEC & national laws. As the users' working conditions are beyond our knowledge & control, the product is not to be used for other purpose than those specified under section 1 without first obtaining written handling instruction.

It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules & legislation. The information in this MSDS is meant as a description of the safety requirements of our product; it is not to be considered as a guarantee of the products' properties.

Note:	<i>This information is given to the best of our knowledge and experience, and supersedes previously issued data sheet.</i>
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