

HEALTH AND SAFETY INFORMATION Ronadeck PU Coating

1. COMPOSITION

Identification of the preparation	Polyurethane resin.			
Chemical Name	CAS No	EEC No	Class	Weight %
TOLUENE-2,4-DI-ISOCYANATE	91-08-7	615-006-00-4T;	R23 Xi;	< 2 R36/37/38 Xn; R42
XYLENE, MIXTURE OF ISOMERS	1330-20-7	601-022-00-9	R10	53 Xn; R20/21 Xi; R38

2. HAZARDS IDENTIFICATION

Most important hazards:	Flammable. Contains Isocyanates.
Specific hazards:	Harmful by inhalation and in contact with skin. Irritating to skin. May cause sensitisation by inhalation.

3. FIRST AID MEASURES

General advice:	Take off all contaminated clothing immediately. Show this safety data sheet to the doctor in attendance.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.
Skin contact:	Wash off immediately with plenty of water. Consult a physician if necessary.
Eye contact:	Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Obtain medical attention.
Ingestion:	Rinse mouth, (never give anything by mouth to an unconscious person). Call a physician immediately. Keep warm and in a quiet place.

4. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Dry powder, sand, foam.
Extinguishing media that must not be used for safety reasons:	None. Water may be ineffective.
Specific hazards:	Thermal decomposition can lead to release of irritating gases and vapours.
Special protective equipment for fire fighters:	In the event of fire, wear self-contained breathing

apparatus.

Specific methods: Standard procedure for chemical fires. Cool containers/tanks with water spray.

5. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak.
Environmental precautions: Do not let product enter drains. Avoid subsoil penetration.
Methods for cleaning up: Soak up with inert absorbent material. Shovel into suitable container for disposal. After cleaning, flush away traces with water.

6. HANDLING AND STORAGE

Handling: Use only in area provided with appropriate exhaust ventilation.
Storage: Do not freeze. Store at room temperature in the original container. Keep tightly closed.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name:	National occupational exposure limits:
TOLUENE-2,4-DI-ISOCYANATE	MEL (as NCO): 0.02mg/m ³ (8 hour ref. period) 0.07mg/m ³ (15 min. ref period)
XYLENE, MIXTURE OF ISOMERS	OES: 100ppm (8 hour ref. period) 150ppm (15 min. ref. period) Can be absorbed through skin.

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.

Personal protection equipment:

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection: PVC or other plastic material gloves.
Eye protection: Face-shield.
Skin and body protection: Chemical resistant apron, protective suit, safety shoes/boots.
Hygiene measures: Handle in accordance with good industrial hygiene

8. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Colourless
Odour:	of xylene
Flash point:	24.5 – 30°C
Relative density:	(25°C) = 0.99
Water solubility:	immiscible
Viscosity:	(25°C) 200 mPa.s

9. STABILITY AND REACTIVITY

Stability: Stable.
Conditions to avoid: Do not freeze.
Materials to avoid: Strong oxidizing agents.
Hazardous decomposition products: None under normal use. Thermal decomposition can lead to release of irritating gases and vapours.

10. TOXICOLOGICAL INFORMATION

No information available.

11. ECOLOGICAL INFORMATION

No information available.

12. DISPOSAL CONSIDERATIONS

Waste from residues/unused products:
Dispose of as special waste in compliance with local and national regulations.
Contaminated packaging: Empty containers should be taken for local recycling, recovery or waste disposal.

13. TRANSPORT INFORMATION

UN No: 1866	Marine pollutant: No.	
ADR/RID	Class 3	Item: 31°C
	TREM-CARD: 30G35	HI/UN No: 1866
Proper shipping name:	Resin solution	
IMO	Class 3.3	IMDG Page:
	EmS: 3-05	MFAG: 310
Proper shipping name:	Resin solution	
ICAO	Class 3	UN/ID No: 1866
Proper shipping name:	Resin solution.	

14. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

Contains: Toluene-2,6-di-isocyanate
Xylene, mixture of isomers
Symbol(s): Xn – Harmful

R-phrase(s): R10 - Flammable
R20/21 - Harmful by inhalation and in contact with skin
R38 - Irritating to skin
R42 - May cause sensitisation by inhalation

S-phrase(s):
Contains: Isocyanates. See information supplied by the manufacturer
S23 - Do not breathe vapours or spray mist
S24 - Avoid contact with skin

S36/37
S38

- Wear suitable protective clothing and gloves.
- In case of insufficient ventilation, wear suitable respiratory equipment

15. OTHER INFORMATION

Revision Comments:

This SAFETY DATA SHEET supersedes all safety data sheets with issue dates prior to this one which have been produced and distributed in respect of this product.