

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: PROFILL - RESIN
Company: Nickerson Chemicals Limited - Dewsbury - WF12 9BQ
Chemical Name & Synonyms: Unsaturated Polyester Resin in Styrene with Inorganic Fillers
For Information: 01924 461341 (9.00 AM - 5.00 PM)
In an Emergency: As above

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components:	Cas Number	Percentage
Styrene	100-42-5	<12.5%

3. HAZARDS IDENTIFICATION

Flammable, Irritant vapour.

Signs and Symptoms of Exposure (Acute Effects) Irritant of skin, eyes and respiratory tract.

Signs and Symptoms of Exposure (Possible Long Term Effects) Irritant. Can cause skin disorders with repeated prolonged exposure. Inhalation of vapour can cause nausea and headaches.

4. FIRST AID MEASURES

Summon immediate medical assistance after contact with skin, eyes, inhalation or ingestion.

Eye: Irrigate with clean water for at least 15 minutes. Seek medical attention.

Skin: Remove from skin with plenty of soap and water. Remove contaminated clothing. If irritation persists, seek medical advice.

Ingestion: Drink plenty of water. Seek medical attention. DO NOT INDUCE VOMITING.

Inhalation: Move patient to fresh air and allow to rest. If patient is slow to recover or unconscious, obtain medical assistance immediately.

First Aiders should protect themselves from exposure (Ref to Section 8).

5. FIRE FIGHTING MEASURES

Extinguishing Media: Dry powders, CO₂ and Foam.

Exposure Hazards: Flammable. Sealed containers heated can pressurise leading to explosion. Emits acrid black smoke and irritating fumes when heated to decomposition.

Fire Fighting Equipment: N/A

6. ACCIDENTAL RELEASE MEASURES

Do not discharge into sewers. Scrape up and place into a suitable container for disposal. Wash area with water.

Refer to section 5, 8 and 13 for Protective Measures and Disposal.

7. HANDLING AND STORAGE

Keep away from heat and sources of ignition. Store below 25°C in a dry well ventilated space. Store separately from peroxides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS.	Long Term:	100 ppm	(UK)
	Short Term:	10 minutes 250 ppm	(UK)

Respiratory: If forced air extraction is not available in enclosed areas an organic vapour mask will be required if the occupational exposure limit is exceeded.

Ingestion: Unlikely during normal use.

Skin Protection: Wear gloves at all times.

Eye Protection: Not normally required during normal use. If splashing can occur, goggles should be worn.

9. <u>PHYSICAL/CHEMICAL PROPERTIES</u>	
Appearance:	Thick coloured paste
Viscosity:	N/A
Boiling Point/Range:	N/A
Flash Point:	31°C
Auto-Flammability:	490°C
Oxidising Properties:	None
Evaporation Rate:	N/A
pH:	N/A
Di-Electric Strength:	N/A
Odour:	Styrene
Specific Gravity:	1.70 g/cm ³ at 20°C
Melting Point/Melting Range:	N/A
Flammability:	Flammable
Explosive Properties:	Lower limit 1.1% Upper limit 6.1%
Vapour Pressure:	6.52 mb at 20°C (Styrene)
Solubility:	Insoluble in water
Partition Coefficient:	N/A
Additional Information:	N/A
10. <u>STABILITY AND REACTIVITY</u>	
Stability:	Can polymerise (solidify) exothermically if heated, exposed to air, sunlight or by addition of free radical initiators. Stable under normal conditions.
Materials to Avoid:	Reacts vigorously with strong oxidising agents and peroxides.
Hazardous Decomposition:	Emits acrid smoke and irritating fumes when heated to decomposition.
Hazardous Polymerisations:	Polymerisations in a closed container can give rise to pressure, which may rupture the vessel.
11. <u>TOXICOLOGICAL INFORMATION</u>	
Oral:	Material is classed as an irritant. LD ₅₀ (rat) is 5 g/kg for Styrene. LC ₅₀ (rat) ranges between 2770-6000 ppm.
Inhalation:	Lung irritant can induce drowsiness and eventual unconsciousness.
Eye:	Severe irritant
Skin:	Modest irritant
12. <u>ECOLOGICAL INFORMATION</u>	
Do not discharge into drains or the environment.	
13. <u>DISPOSAL CONSIDERATIONS</u>	
In an uncured state, place in a suitable container and dispose as chemical waste in accordance with local regulations. Small quantities may be reacted with the corresponding amount of activator. Allow to cure and dispose as solid waste.	
14. <u>TRANSPORT INFORMATION</u>	
Supply label:	Irritant Flammable
	UN No./SI No. 3269. Polyester resin kit
	Hazard Class 3
	Packing Group III
15. <u>REGULATORY INFORMATION</u>	
Labelling:	Irritant, Flammable.
	Risk Phrases (R10) Flammable (R36/38) Irritating to eyes and skin.
	Safety Phrases (S2) Keep out of reach of children (S23) Do not breathe vapour. (S36/37/39)Wear suitable protective clothing, gloves and eye/face protection.
16. <u>OTHER INFORMATION</u>	
Our ref:	MSDS. Metolux Safety Data Sheet No. 5
Date of Preparation:	March 2002
Prepared By:	P Wadsworth
The information contained within this document is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determinations of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees customers.	
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