

Material Safety Data Sheet

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Product Identification

**NOT CLASSIFIED AS HAZARDOUS
ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA**

Product Name	:	Nu Roof Resins
Manufacturer's Product Code	:	Roof Paint
UN Number	:	None Allocated
Hazchem Code	:	None Allocated
Dangerous Goods	:	None Allocated
Class Subsidiary Risk	:	None Allocated
Poisons Schedule Number	:	None Allocated
DG Class	:	None Allocated

Use

- Paint coating for roof tiles and masonry surfaces

Physical Description & Properties

Appearance	: Viscous liquid, colour varies
Odor	: Mild ammonia odour
Boiling Point	: 100 ^C
Melting Point	: 0 ^C
Flash Point	: Non combustible
Ignition Point	: Not applicable
Explosive Properties	: None
Oxidizing Properties	: None
Bulk Density	: 1.0 - 1.1
Relative Density	: 1.0 - 1.1
pH	: 7-8
Heat of Combustion	: Not applicable
Explosion Limit	: Not relevant
Solubility	: Soluble - water.

Ingredients

Component	CAS No.	wt%
Waterborne acrylic polymer	Not hazardous	50 max
Preservative	330-54-1	0.1 max
Oil based emulsion	Not hazardous	0.1 max
Ethylene Glycol monobutyl Ether	111-76-2	5 max
2,2,4-Trimethyl-1,3-Pentanediol-Monoisobutyrate	25265-77-4	3 max
Iron Oxide Pigment	Not hazardous	5 max
Water	7732-18-5	To 100

Health Hazard Information

Health Effects

Acute - Eye Direct contact with material can cause the following:- slight irritation.
Acute - Skin Prolonged or repeated skin contact can cause the following:- slight skin irritation.

Acute - Inhaled Inhalation of vapor or mist can cause the following:- headache - nausea - irritation of nose, throat, and lungs.

Other Information PRIMARY ROUTES OF EXPOSURE: Inhalation
Eye Contact
Skin Contact

First Aid

Swallowed	If swallowed give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.
Eye	Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.
Skin	Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.
Inhaled	Move subject to fresh air.
First Aid Facilities	Facilities storing or utilizing this material should be equipped with an eyewash facility.

Toxicological Information

Exposure Limits	COMPONENT		NOHSC		ACGIH			
	No.	Units	TWA	STEL	TWA	STEL	TWA	STEL
1			None	None	None	None	None	None
2			a	a	a	a	a	a
3		ppm	25 b	35 b	25b	35 b	25 b	35 b
4			None	None	None	None	None	None

a Not Required
 b As Ammonia
 1 Acrylic polymer
 2 Individual residual monomers
 3 Aqua ammonia
 4 Water

Eng. Controls	Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to Australian Standards AS1668.
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Personal Protection

Protective Equip.	<p>RESPIRATORY PROTECTION: A respiratory protection program meeting AS1716 and AS1715 requirements must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the TWA/TLV's listed in the EXPOSURE STANDARDS INFORMATION Section. For airborne concentrations up to 10 times the TWA/TLV's listed in the EXPOSURE STANDARDS INFORMATION Section wear an Australian Standards approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with an ammonia/methylamine cartridge and dust/mist filters.</p> <p>EYE PROTECTION: Use chemical splash goggles (AS1337 or approved equivalent).</p>
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HAND PROTECTION: The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection:
- Neoprene

Flammability

Fire Hazards Noncombustible.

SAFE HANDLING INFORMATION

Storage and Transport

Storage and Transport STORAGE CONDITIONS: Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 1°C. The maximum recommended storage temperature for this material is 49°C.
HANDLING PROCEDURES: Monomer vapors can be evolved when material is heated during processing operations. See EXPOSURE STANDARDS/PERSONAL PROTECTION in the PRECAUTIONS FOR USE INFORMATION Section for types of ventilation required.
NOTE: Formaldehyde will be generated under acidic conditions. Maintain adequate ventilation under these conditions to prevent exposure to formaldehyde above the Rohm and Haas Co. recommended ceiling of 0.3 ppm.

Proper Shipping Name None Allocated

Spills and Disposal

Spills & Disposal ACCIDENTAL RELEASE MEASURES: Personal Protection: Appropriate protective equipment must be worn when handling a spill of this material. See EXPOSURE STANDARDS/PERSONAL PROTECTION in the PRECAUTIONS FOR USE INFORMATION Section for recommendations. If exposed to material during clean-up operations, see FIRST AID MEASURES for actions to follow.
Procedures: Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.
CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
DISPOSAL CONSIDERATIONS: Procedure: Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Landfill or incinerate remaining solids in accordance with local, state, and federal regulations.

Fire/Explosion Hazard

Fire/Explos. Hazard UNUSUAL HAZARDS: Material can splatter above 100°C/212°F. Dried product can burn.
EXTINGUISHING AGENTS: Use extinguishing media appropriate for surrounding fire.
PERSONAL PROTECTIVE EQUIPMENT: Wear self-contained breathing apparatus (pressure-demand AS1716 approved or equivalent) and full protective gear.

Hazardous Reaction INSTABILITY: This material is considered stable. However, avoid temperatures above 177°C/350°F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield acrylic monomers.
HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.
INCOMPATIBILITY: There are no known materials which are incompatible with this product.

Hazchem Code None Allocated

OTHER INFORMATION

Toxicology ACUTE DATA
The information shown in the HEALTH HAZARDS INFORMATION Section is based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product. Typical data are:
Oral LD50 - rat: > 5000 mg/kg
Dermal LD50 - rabbit: > 5000 mg/kg
Skin irritation - rabbit: practically non-irritating
Eye irritation - rabbit: inconsequential irritation

Other Information

**THE DATA GIVEN HERE IS BASED ON CURRENT KNOWLEDGE AND EXPERIENCE.
THE PURPOSE OF THIS SAFETY DATA SHEET IS TO DESCRIBE THE
PRODUCTS IN TERMS OF THEIR SAFETY REQUIREMENTS.
THE DATA DOES NOT SIGNIFY ANY WARRANTY
WITH REGARD TO THE PRODUCTS' PROPERTIES.**