

SAFETY DATA SHEET
(SDS)

**1. IDENTIFICATION OF THE SUBSTANCE/
PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT STAYCLEAN
APPLICATION MOULD AND FUNGUS PREVENTATIVE
COMPANY/UNDERTAKING
IDENTIFICATION

ADVANCED ENGINEERING SERVICES LTD. Trading as MINT
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2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION :

No.		<u>CAS REG NO.</u>	<u>WEIGHT (%)</u>
1	Acrylic Polymer	Not Hazardous	10-12
2	Individual residual monomers	Not required	<0.1
3	Aqua ammonia	1336-21-6	<0.1
4	3-(3,4- dichlorophenyl) -1, 1-dimethylurea)	330-54-1	<0.5
5	Carbendazim	10605-21-7	<0.5
6.	2-octyl-2h-isothiazolin-3-one	26530-20-1	<0.5
7.	Zinc Oxide	1314-13-2	<0.5
8	Water	7732-18-5	85-87

This product is not hazardous according to EEC Directives 67/548/EEC and 88/379/EEC.

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure

Inhalation
Skin contact

Inhalation

Inhalation of vapour or mist may cause the following :
headache, nausea, irritation of nose throat and lungs.

Eye Contact

Direct contact with material may cause the following :
- slight irritation.

Skin Contact

Prolonged or repeated skin contact may cause the following :
- slight skin irritation.

4. FIRST AID MEASURES

INHALATION

Move subject to fresh air.

EYE CONTACT

Flush eyes with a large amount of water for a least 15 minutes. Consult a physician if irritation persists.

SKIN CONTACT

Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

INGESTION

If swallowed, give 2 glasses of water to drink. Consult a physician.
Never give anything by mouth to an unconscious person.

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5. FIRE FIGHTING MEASURES		
	Flash Point	Noncombustible
	Auto-ignition temperature	Not applicable
	Lower Explosive limit	Not applicable
	Upper Explosive limit	Not applicable
EXTINGUISHING MEDIA	Use extinguishing media appropriate for surrounding fire.	
HAZARDS	Material can splatter above 100C/212F. Dried product can burn.	
PERSONAL PROTECTIVE EQUIPMENT		

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)	
PERSONAL PRECAUTIONS :	Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow.
ENVIRONMENTAL:	Keep spill and cleaning runoff out of municipal sewers and open bodies of water.
PRECAUTIONS:	Keep spectators away. Floor may be slippery; use care to avoid falling.
SPILLAGE :	Contain spillage immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

7. HANDLING AND STORAGE (IN NORMAL USE)	
STORAGE:	Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 1C/34F. The maximum recommended storage temperature for this material is 60C/140F.
HANDLING:	Monomer vapours can be evolved when material is heated during processing operations. See SECTION 8, Exposure Controls/Personal Protection, for types of ventilation required.

8. EXPOSURE CONTROLS		
OCCUPATIONAL EXPOSURE LIMITS		
1. Acrylic Polymer	TWA Non	STEL Non
2. Individual Residual Monomers	Not required	Not required
3. Aqua amonia	25 ppm	35 ppm
4. Water	None	None
TLV		
5. 3-(3, 4-dichlorophenyl)-1, 1-dimethylurea	10 MG/m ³	
6. Zinc Oxide	5 mg/m ³	
ENGINEERING CONTROLS, VENTILATION	Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapour evolution.	
PERSONAL PROTECTIVE RESPIRATORY	Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear. A respiratory protection programme meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in 'Exposure Limit Information'.	

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8. EXPOSURE CONTROLS (cont'd)

HAND

EYE

For airborne concentrations up to 10 times the TWA/TLV's listed in - Exposure Limit Information-, wear a MSHA/NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with an ammonia/methylamine cartridge.

The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection : - Neoprene

Use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility.

9. PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE	Milky Blue
ODOUR	Slight ammonia
PH	8.8. to 9.3.
BOILING POINT	100°C/212°F
MELTING POINT	0°C/32°F Water
VISCOSITY	300 TO 1000 CPS
SPECIFIC GRAVITY (Water - 1)	1.0 to 1.2 g/cm ³
PERCENT VOLATILITY	38 TO 39% Water
VAPOUR PRESSURE	2266.5 Pa @ 20°C/68°F
VAPOUR DENSITY (Air = 1)	> 1
SOLUBILITY (WATER AND FAT)	Dilutable
EVAPORATION RATE (BAc = 1)	> 1

10. STABILITY AND REACTIVITY

STABILITY:

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

Thermal decompositiion may yield acrylic monomers.

HAZARDOUS POLYMERIZATION

Product will not undergo polymerization.

INCOMPATIBILITY

There are no known materials which are incompatible with this product.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

The information shown in SECTION 3, Hazards Identification, is based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product.

Typical data are :

Dermal LD50 - rabbit : > 5000 mg/kg

Oral LD50 - rat : >5000 mg/kg

Skin irritation - rabbit: practically non-irritating

Eye irritation - rabbit, inconsequential irritation

12. ECOLOGICAL INFORMATION

No applicable data

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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer.
CONTAMINATED PACKAGING	Incinerate liquid and contaminated solids in accordance with local regulations.

14. TRANSPORT INFORMATION (REGULATIONS)¹

PACKAGING (Size & Description)	1 x 0.5 litre hand sprayer
TRANSPORT CLASSIFICATION	Not regulated.
SUBSTANCE IDENTIFICATION NUMBER	
PROPER SHIPPING NAME	STAYCLEAN

15. REGULATORY INFORMATION

	This product is not hazardous according to EEC Directives 67/548/EEC and 88/379/EEC.	
SAFETY PHRASES	S24/25	Avoid contact with skin and eyes
	S36/37/39	Wear suitable protective clothing, gloves, and eye/face protection
	S38	In case of insufficient ventilation, wear suitable respiratory equipment
	S20/21	When using, do not eat, drink or smoke

16. OTHER INFORMATION

The information contained in this document only covers the hazards presented by this material, it does not constitute a workplace risk assessment.

The information contained in this Safety Data Sheet is based on present knowledge. It provides guidance on health, safety and environmental aspects of the product. The specific conditions of use of the product are outside the suppliers control.

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.