

MATERIAL SAFETY DATA SHEET

ALPHA RUSTGUARD

UN CODE No : NA D.G. CLASS : NA SUBSIDIARY RISK : NONE
HAZCHEM CODE : NA POISONS : 5 MANUFACTR CODE : DFLX
TOXIC SUBSTANCES SCHEDULE Not Listed MARINE POLLUTANT : NA

USE : Proprietary blend of SYNTHETIC POLYMER EMULSIONS and INERT FILLERS
Used as a protective coating, waterproof membrane for buildings, construction industry.

PHYSICAL DATA

APPEARANCE : Viscous Liquid PERCENT VOLATILE : 32-35% W/W
SPECIFIC GRAVITY : 1.35 approx FLAMMABILITY LIMITS : LFL 1.1%
FLASH POINT : NA AUTO IGNITION : Not determined
ODOUR : Slight Ammonial BOILING POINT : > 90 degC

INGREDIENTS

<u>CHEMICAL ENTITY</u>	<u>CAS NO</u>	<u>PROPORTION</u>
Synthetic Polymer Emulsion	Proprietary	55-65
Ester Alcohol	025265-77-4	1.0 max
Titanium Dioxide	013463-67-7	5-10
Other Color Pigments	051274-00-1	3-5
Functional fillers	014807-96-6	1-2
Calcium Carbonate	001317-65-3	15-25

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Swallowed May cause nausea. If liquid enters lungs, may cause lung damage.

Eyes May cause slight temporary irritation and soreness

Skin May cause dryness, skin irritation, dermatitis if exposure is repeated, prolonged

Inhaled May cause nausea, headache, irritation of nose, throat irritation.

Chronic No known health hazard

Toxicity Low, from available data. Long term experience of this product type indicates no danger to health when handled under industrial conditions.

FIRST AID

Swallowed	If swallowed, drink water immediately. Do not induce vomiting. Seek medical attention.
Eye	Flush with plenty of water for 15 minutes. Seek medical attention promptly.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water for 15 minutes. DO NOT use solvents to remove product from skin. Wash clothing thoroughly before reuse. Consult a physician if irritation persists.
Inhaled	Remove to fresh air location. If discomfort persists, seek medical advice.
FA Facilities	Provide eye washing facilities

ADVICE TO DOCTOR (EMERGENCY TREATMENT)

Treat symptomatically. The decision whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. No specific antidote. Supportive care. Treatment based on the sound judgement of the attending physician and the individual reactions of the patient.

PRECAUTIONS FOR USE

EXPOSURE LIMITS

WORKPLACE EXPOSURE STANDARD

Component	TWA (8 hr)	ppm	mgm/m3 TLV	ppm	mgm/m3
Butyl Acrylate		10	55	---	---
Styrene Monomers		50	215	100	425
Ammonia		25	18	35	27

ENGINEERING CONTROLS

VENTILATION : General ventilation is usually adequate. Where product is used in an enclosed area, local extraction is recommended. It is not expected that the above Exposure Standards will be exceeded in any use of this product, having regard to the trace amounts of the listed items in the product.

PERSONAL PROTECTION

Eyes	Use of chemical splash goggles is recommended
Hands/Feet	PVC, rubber or neoprene footwear / gloves are recommended
Respiratory	No problems foreseen. A half mask, air-purifying respirator is recommended if and when the airborne concentrations rises to around 10 times of the TWA/TLVs listed in the Exposure Limit Information
Flammability	Not flammable under conditions of use.

FLAMMABILITY LIMITS (%)

Lower Explosive Limit	Not Applicable
Upper Explosive Limit	Not Applicable

SOLUBILITY in H₂O Can be diluted

Although this product does not meet the parameters for flammability, it can burn in the presence of a strong ignition source after water has been removed from the product. Material can splatter at temperatures > **100 degC**

SAFE HANDLING INFORMATION

Storage / Transport

This product is NOT classified as a Dangerous Good for the purpose of storage or transportaion.
Store in a cool place away from heat and ignition sources. If stored in bulk, then fumes could arise in tank. Observe safe tank entry procedure. Do not store in areas where the maximum temperatures can exceed 50°C. Keep partially used product containers closed. Store away from foodstuffs, clothing. Keep out of reach of children.

Spills

Minor : Absorb to sand, sawdust or an absorbent clay. Alternatively add calcium or alum to the spill to coagulate solids. Dispose to landfill after drying.

Major : Immediately contain, then pump to a container. Prevent entry to municipal sewers & open water.

Disposal

Separate solids by coagulation or drying. Place in secure container for disposal. Burn in an adequate incinerator or bury to dispose in an approved land-fill in accordance with State and /or Local Government regulations.

FIRE / EXPLOSION

Flammable Limits in Air (% vol)

LEL : None

UEL : None

Extinguishing Media

Any. (For surrounding fire, use appropriate media.)

Fire Fighting

The material can splatter in temperatures > 100 deg C.
The dried polymer is combustible (as plastic).

Additional Hazards

Smoke inhalation from ignition of dried polymer.

Decomposition Products

May yield acrylic monomers on thermal decomposition

Hazardous Polymerisation

Will not occur.

Instability

NIL --- Avoid temperatures above 165 deg C.

Toxicological Information

As stated earlier under toxicity data available for this material.

EMERGENCY CONTACTS

Office hours Contact Number

(65)-6546-1181

After hours Contact Number

----as above----

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