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## MATERIAL SAFETY DATA SHEET

### Alpha Kote - ACPU

UN CODE No: NA                      D.G. CLASS: NA                      SUBSIDIARY RISK: NONE  
HAZCHEM CODE: NA                      POISONS: 5                      MANUF CODE: FC-ACPU  
TOXIC SUBSTANCES SCHEDULE                      Not Listed                      MARINE POLLUTANT: NA

USE : Proprietary Acrylic-Polyurethane emulsion, additives and inert fillers for use as a Surface protective and waterproof membrane system for industrial, construction use.

#### 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: NIL                      BOILING POINT: > 90 degC

#### INGREDIENTS

<u>CHEMICAL ENTITY</u>	<u>CAS NO</u>	<u>PROPORTION</u>
Acrylic-PU polymer	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
Inert 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.



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**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 judgment of the attending physician and individual reactions of the patient.

**PRECAUTIONS FOR USE**

**EXPOSURE LIMITS**

**WORKPLACE EXPOSURE STANDARD**

<b>Component</b>	<b>TWA (8 hr)</b>	<b>ppm</b>	<b>mgm/m3</b>	<b>TLV</b>	<b>ppm</b>	<b>mgm/m3</b>
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 rise 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 H<sub>2</sub>O** 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**



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### SAFE HANDLING INFORMATION

#### **Storage / Transport**

**This product is NOT classified as a Dangerous Good for the purpose of storage or transportation.**

**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 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 Polymerization**

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)-68989802**

**After hours Contact Number**

**(65)-96724265**

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