

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Premera MAR</b>	
<b>Other means of identification</b>	None.	
<b>Recommended use</b>	Coating for ship and boat hulls, Refer to the Product Technical Data Sheet.	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Supplier</b>		
<b>Company name</b>	Nukote Coating Systems International	
<b>Address</b>	4730 Consulate Plaza Dr. Suite 100 Houston, TX. 77032	
<b>Telephone</b>	832-770-7100	
<b>Email</b>	SDS@nukoteglobal.com	
<b>Emergency Phone Number</b>	Chemtrec: 800-424-9300 (Account: CCN16118) or International: 703-527 3887 (Account: CCN16118)	

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Danger	
<b>Hazard statement</b>	Harmful if swallowed Harmful in contact with skin. Causes severe eye damage. Highly flammable liquid and vapor.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves and eye protection. No smoking. Keep away from heat, sparks and open flames.	
<b>Response</b>	<p><b>Principal routes of exposure:</b> Eye contact, Skin contact, Inhalation, Ingestion.</p> <p><b>Skin:</b> Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.</p> <p><b>Eyes:</b> Check for and remove contact lens. Immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.</p> <p><b>Inhalation:</b> If symptoms occur move affected person to fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention promptly.</p> <p><b>Ingestion:</b> If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention at once.</p>	
<b>Storage</b>	Store in a well-ventilated place. Keep cool.	
<b>Disposal</b>	Dispose of contents/container to an approved waste disposal plant.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.	
<b>Supplemental information</b>	None.	

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	CAS number	%
Polymer A-1	Proprietary	12-18
Polymer A-2	Proprietary	6-9
Ethyl Alcohol	64-17-5	6-9
t-Butyl Acetate	540-88-5	60-67
Polymer A-3	Proprietary	9-12
Polymer A-4	Proprietary	5-10

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

<b>Inhalation</b>	Remove affected person to fresh air. Seek immediate medical attention if breathing difficulties occur. Also keep patient half sitting with upper body raised.
<b>Skin contact</b>	In case of skin contact, wash thoroughly with water or soap and water if available. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
<b>Eye contact</b>	Check for and remove any contact lens. Immediately flush eyes with plenty of water for at least 15 minutes lifting eyelids occasionally. Get medical attention.
<b>Ingestion</b>	If accidentally swallowed, rinse mouth thoroughly with water and, afterwards, drink plenty of water. In case of discomfort, obtain medical attention. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by medical personnel.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Dry chemical, alcohol foam or carbon dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors. Do not release runoff from fire to drains or watercourses.
<b>Specific hazards during fire fighting</b>	Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire. Closed containers may explode when exposed to extreme heat. This material may produce a floating fire hazard sensitive to static discharge.

**Hazardous combustion products** No hazardous combustion products are known.

**Special firefighting procedures** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### 6. Accidental release measures

Dike area to prevent spreading. Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not flush to sewer! Dispose of as a chemical waste in accordance with current local, state and federal regulations.

### 7. Handling and storage

**DOT STORAGE CLASS:** class 3

**PROPER DOT SHIPPING NAME:** Coating Solution

**Precautions for safe handling** Provide good ventilation or extraction. Avoid prolonged or repeated breathing of vapor. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks, flames and other sources of ignition. Wash hands thoroughly after handling.

**Conditions for safe storage, including any incompatibilities** Avoid storage over 80° F, contamination with incompatible materials. Keep containers tightly closed in a cool, well ventilated place. Protect from moisture. Avoid all sources of ignition. Residual vapors might explode on ignition. Do not apply heat, cut, drill, and grind or weld on or near this container. Keep container closed when not in use. (see Section 10 of the SDS).

**Advice on protection against fire and explosion** Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

## 8. Exposure controls/personal protection

Components	Type	Value
Ethyl Alcohol		1000 ppm
t-Butyl Acetate		200 ppm

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**Eye/face protection** Do not wear contact lenses. Chemical safety goggles or splash shields are recommended.

**Skin protection** Avoid skin contact. Wear butyl-rubber gloves and impervious protective clothing.

**Ventilation system** Positive fresh air exhaust should be provided in the work area. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use.

**Precautions to be taken in use** Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

## 9. Physical and chemical properties

### Appearance

**Physical state** Clear to amber, slightly milky liquid

**Form** Liquid.

**Color** Clear to amber.

**Odor** Mild fruity.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** <77 °F

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	8.3-8.7 lb/gal (77 °F (25 °C))
<b>Solubility(ies)</b>	Insoluble.
<b>Solubility (water)</b>	Insoluble.

<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available
<b>VOC content (%)</b>	<0.83 lb/gal

## 10. Stability and reactivity

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	May occur
<b>Incompatible materials</b>	Oxidizers, alkalis, acids, aliphatic amines, nitrates, water
<b>Hazardous decomposition products</b>	Oxides of carbon and nitrogen.

## 11. Toxicological information

<b>Ingredient</b>	<b>Target Organs</b>	<b>IARC CATEGORY</b>
Polymer A-1	IRR, LIV, KID	NO
Polymer A-2	IRR, LIV, KID	NO
Ethyl Alcohol	HEART, IRR, LIV, KID	NO
t-Butyl Acetate	IRR	NO
Polymer A-3	NONE	NO
Polymer A-4	NONE	NO

### ABBREVIATIONS:

IRR = Irritant  
LIV = Liver  
KID = Kidney

### Acute toxicity

Not classified based on available information.

### Product:

Acute oral toxicity	:	Remarks: None.
Acute inhalation toxicity	:	Remarks: No significant adverse effects were reported
Acute dermal toxicity	:	Remarks: No significant adverse effects were reported

### Ingredients:

#### Ethyl Alcohol

Acute Oral Toxicity	:	Oral LD 50 (rabbit) 2000 mg/kg
Acute dermal toxicity	:	Dermal LD 50 (rabbit) 20,000 mg/kg

## 12. Ecological information

### Ecotoxicity

No data available

## 13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transport information

**DOT and IATA Hazard Classification:** Class 3 PG II Flammable Liquid

**Proper DOT Shipping Name:** Coatings Solution

**Identification Number:** DOT – UN 1139 IATA – UN 1139

## 15. Regulatory information

### SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS number	Chemical Compound
64-17-5	Ethyl Alcohol
540-88-5	t-Butyl Acetate

### CALIFORNIA PROPOSITION 65

This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm

## 16. Other information, including date of preparation or last revision

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

### **IMPORTANT LIABILITY DISCLAIMER**

The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct as it was obtained from sources we believe are reliable. However, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his sole discretion. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe work place, to examine all aspects of its operation and to determine if or where precautions, in addition to those described herein, are required.