



**1 - PRODUCT and COMPANY INFORMATION**

**Company Info:** iCOAT Products, Inc. [www.icoatproducts.com](http://www.icoatproducts.com)  
**Company Address:** 1519 W. Grant St. Phoenix, AZ 85007, USA  
**Phone:** (602) 258-1114  
**Fax:** (602) 258-1119  
**CHEMTREC:** For emergencies in the US Call CHEMTREC: (800) 424-9300  
**Canutec:** In Canada, all CANUTEC: (613) 996-6666 (call collect)  
**MSDS Format:** According to ANSI Z400.1-2004

**Product Name:** H2O Membrane

**HMIS Classification:** H F R PP  
1 0 0 B

**2 - COMPOSITION INFORMATION**

Hazardous Components	Cas #	OSHA PeI	ACGIH TLV OTHER	mm HG @ TEMP	WT %
Styrene-Butadiene Copolymer	9003-55-8	NA	NA	NA	35-50
Calcium Carbonate	1317-65-3	PEL 15mg/m3	TLV 10mg/m3	NA	10-20
Proprietary Ingredients					<10%

**3 - HAZARDS IDENTIFICATION**

**Emergency Overview :** Irritant

**Potential Health Effects**

**Target Organs:** Eye, Skin Contact, Inhalation, Ingestion.

**Eye:** May cause eye irritation  
**Skin:** May cause skin irritation  
**Inhalation:** May cause nose, throat and lung irritation  
**Ingestion:** Harmful if swallowed, may cause gastrointestinal irritation, nausea and vomiting.  
**Chronic Health Effects:** Contains products listed in IARC Monographs and may cause nose, throat lung and gastrointestinal irritation.

**4 -FIRST AID MEASURES**

**Eye Contact:** Blot or wipe any residue remaining on face being careful not to get into victim's eyes or on skin. Immediately flush eyes with plenty of water for 15 – 20 minutes. Remove contact lenses after 1-2 minutes then continue flushing for at least 15 minutes. Effect may be delayed. If effects occur, consult a physician.

**Skin Contact:** Remove excess from skin. Immediately wash skin with soap and plenty of water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops or persists.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. If effects occur, consult physician.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. If person is conscious and can swallow, immediately give two glasses of water (16 oz.) Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. This material is corrosive.



## **5 - FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	Not Applicable
<b>Lower Flammable / Explosive Limit:</b>	Not Applicable
<b>Upper Flammable / Explosive Limit:</b>	Not Applicable
<b>Ignition Temperature – AIT:</b>	Not Applicable
<b>Unusual Fire or Explosive Hazards:</b>	Material will not burn until all water is evaporated. Containers may burst open and splatter material if temperature reaches 212° F or above.
<b>Hazardous Combustion:</b>	Not Available
<b>Extinguishing Media:</b>	Water, dry chemical fire extinguishers, carbon dioxide fire extinguisher.
<b>Protective Equipment:</b>	Wear special chemical protective clothing and positive pressure self-contained breathing apparatus. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Decontaminate or discard any clothing that may contain chemical residues. Wear a Self –Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

### **NFPA Ratings:**

NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	0

## **6 - ACCIDENTAL RELEASE MEASURES**

<b>Personnel Precautions:</b>	Use proper personal protective equipment as listed in Section 8.
<b>Environmental Precautions:</b>	Prevent entry into sewers and waterways.
<b>Spill Cleanup Measures:</b>	Clean up spills immediately. Cover with absorbent material to contain. Use appropriate containers to avoid environmental contamination.

## **7 - HANDLING and STORAGE**

<b>Handling:</b>	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
<b>Storage:</b>	Store in a cool, dry area away from sunlight and heat sources. Protect from freezing.
<b>Hygiene Practices:</b>	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling.

## **8 - EXPOSURE CONTROLS / PERSONAL PROTECTION – EXPOSURE GUIDELINES**

<b>Engineering Controls:</b>	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of personal protective equipment.
<b>Eye/Face Protection:</b>	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Do not wear contact lenses.
<b>Skin Protection:</b>	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
<b>Respiratory Protection:</b>	Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator for silica dust after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown
<b>Other Protective:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## **9 - PHYSICAL and CHEMICAL PROPERTIES**



<b>Physical State Appearance:</b>	Semi - paste
<b>Color:</b>	Blue
<b>Odor:</b>	Slight ammonia
<b>Flash Point:</b>	Not Applicable
<b>Boiling Point:</b>	210° F
<b>Melting Point:</b>	Not Applicable
<b>Freezing Point:</b>	32° F
<b>Specific Gravity (H2O =1):</b>	1.1
<b>Solubility in Water:</b>	Dispersible
<b>Vapor Pressure:</b>	10 mg HG @ 60° F
<b>Vapor Density:</b>	1 (air =1)
<b>pH:</b>	9 Kinematic
<b>Viscosity:</b>	Not Applicable
<b>VOC Content:</b>	0

## **10 - STABILITY and REACTIVITY**

<b>Chemical Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	Temperature above 350° F and freezing or temperatures below 32 ° F.
<b>Incompatible Materials:</b>	Avoid contact with strong oxidizers.
<b>Thermal Decomposition:</b>	Decomposition in air may result in carbon monoxide and / or carbon dioxide

## **11 - TOXICOLOGICAL INFORMATION**

<b>Chronic / Carcinogenicity Effect:</b>	Contains products listed in IARC Monographs
<b>Reproductive Effects:</b>	May contain trace amounts of chemicals that cause birth defects in animal studies. No harm was caused to animal or fetus when applied on skin.
<b>Carcinogenicity – Ingredients:</b>	Styrene-Butadiene Copolymer listed in IARC Monographs

## **12 - ECOLOGICAL INFORMATION**

<b><u>Marine Pollutant</u></b>	<b>Aquatic Toxicity:</b>	Not Applicable
	<b>Mobility:</b>	Not Applicable
	<b>Persistence and Biodegradability:</b>	Not Applicable
	<b>Remarks:</b>	None

## **13 - DISPOSAL CONSIDERATIONS**

<b>Waste Disposal:</b>	This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and / or state and local guidelines.
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## **14 - TRANSPORTATION INFORMATION**

<b>Proper Shipping Name:</b>	-
<b>DOT UN Number:</b>	-
<b>DOT Hazard Class:</b>	-
<b>Packaging Group:</b>	-



**Placards Required:** -

**Notes:** No special transportation or label placarding is required.

## **15 - REGULATORY INFORMATION**

**California PROP 65:** This product does contain a chemical known to the state of California to cause cancer and birth defects or other reproductive harm. ( Styrene-Butadiene Copolymer / Calcium Carbonate)

**State Right-to-Know Regulations:** Pennsylvania – Workplace Hazard

**International Regulations:**

**TCSA Inventory Status:** This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**WHMIS Classification:** Not Applicable

**Canadian Inventory Status:** This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

**EINECS Inventory Status:** This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical substances (ELINCS).

**Australian Inventory Status:** This product, or its components, are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS).

**Japan Inventory Status:** This product, or its components, are listed on or are exempt from the Japan Ministry of International Trade and Industry (MITI) inventory.

## **16 - ADDITIONAL INFORMATION**

**HMIS Health Hazard:** 1

**HMIS Fire Hazard:** 0

**HMIS Reactivity:** 0

**HMIS Personal Protection:** B

**MSDS Creation Date:** June 26, 2006

**MSDS Revision Date:** September 9, 2009

**MSDS Revision Notes:** Quarterly Formula Update

**MSDS Author:** iCOAT Products, Inc.

**Disclaimer:**

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