



SANI-MARC

Les Produits. Et les Hommes.
People and Their Products.

Material Safety Data Sheet

WHMIS 	TDG Road/Rail
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Section I: Product Identification and Uses									
Trade name	SANI-MEMBRANE (AIRABLO)								
Code	20-47550								
Supplier	SANI-MARC INC. 42 boul. de l'Artisan, Victoriaville, Qc (819) 758-1541								
Manufacturer	Manufactured for: SANI-MARC INC. 42 boul. de l'Artisan, Victoriaville, Qc (819) 758-1541								
Material uses	Consumer products: Manufacture of soaps and detergents. Industrial applications: Manufacture of chemicals. Vegetable oils refining. Metal industry: Etching. Electroplating. Paper industry: Manufacture of pulp and paper. Textile industry: Textile processing.								
<table border="1"> <tr> <td>Health Hazard</td> <td>3</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> <tr> <td>Personal Protection</td> <td>j</td> </tr> </table>		Health Hazard	3	Fire Hazard	0	Reactivity	1	Personal Protection	j
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Personal Protection	j								
<p align="center">Protective Clothing</p>									
<p align="center">Governmental Approbations</p> <p align="center">Not applicable.</p>									

Section II: First Aid Measures	
Eye contact	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Rinse with a dilute solution of boric acid. Finish by rinsing thoroughly with running water to avoid a possible infection. COLD water may be used.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Hazardous skin contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
Slight inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.
Slight ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.
Hazardous ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Section II Hazardous Ingredients SANI-MEMBRANE (AIRABLO) page 2/4

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Caustic soda	1310-73-2	60-100	TWA: 2 (mg/m3) from ACGIH	ORAL (LD50) mg/kg: Acute: 240 (Rat). DERMAL (LD50) mg/kg: Acute: 1350 (Rabbit).

Section III Physical Data

Physical state and appearance	Solid. (Beads solid.)	Color	White.
pH (Pure)	Not available.	Odor	Odorless.
pH (1% soln/water)	14 [Basic.]		
Odor threshold	Not available.		
Volatility	Not available.		
Freezing point	318.4°C (605.1°F)		
Boiling/Condensation point	1390°C (2534°F)		
Specific gravity	2.13 (Water = 1)		
Vapor density	Greater than air.		
Vapor pressure	18 mm of Hg (@ 20°C)		
Evaporation rate	Not available.		
Viscosity	Not available.		
Water/oil dist. coeff.	Not available.		
Ioncity (surface active agent)	Not available.		
Critical temperature	Not available.		
Instability temperature	Not available.		
Conditions of instability	No additional remark.		
Dispersion properties	See solubility in water, methanol.		
Solubility	Easily soluble in cold water, hot water. Partially soluble in methanol. Very slightly soluble in diethyl ether. Insoluble in n-octanol.		

Section IV. Fire and Explosion Data

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The product is:	Non-flammable.
Auto-ignition temperature	Not applicable.
Fire degradation products	Not applicable.
Flash points	Not applicable.
Flammable limits	Not applicable.
Fire extinguishing procedures	Not applicable.
Flammability	Not applicable.
Risks of explosion	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our data base regarding the product's risks of explosion in the presence of various materials.

Section V. Reactivity Data

Stability	The product is stable.
Hazardous decomp. products	Not available.
Degradability	Not available.
Products of degradation	Some metallic oxides. The products of degradation are less toxic than the product itself.
Corrosivity	Highly corrosive in presence of copper. Corrosive in presence of zinc. Slightly corrosive in presence of aluminum, of steel.
Reactivity	Extremely reactive or incompatible with oxidizing agents, acids. Highly reactive with reducing agents, organic materials, metals, moisture.



Section VI. Toxicological Properties

Routes of entry	Ingestion. Skin contact. Inhalation.
TLV	ACGIH (United States). TWA: 2 mg/m ³ Consult local authorities for acceptable exposure limits.
Toxicity for animals	Not available.
Chronic effects on humans	Extremely hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant), of ingestion, of inhalation. Very hazardous in case of skin contact (sensitizer, permeator). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Classified NONE for human. TERATOGENIC EFFECTS: Classified NONE for human. DEVELOPMENTAL TOXICITY: Not toxic.
Acute effects on humans	Extremely hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Very hazardous in case of skin contact (sensitizer, permeator). Corrosive to eyes and skin. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.


Section VII: Preventive Measures

Waste information	Not available.
Waste stream	Not available.
Storage	Alkalis may be stored in heavy duty gauge steel containers. Corrosive materials should be stored in a separate safety storage cabinet or room.
Precautions	Keep container dry. DO NOT ingest. DO NOT breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles as oxidizing agents, reducing agents, organic materials, metals, acids, moisture
Small spill and leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.
Large spill and leak	Corrosive solid. Poisonous solid. Stop leak if without risk. DO NOT get water inside container. DO NOT touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of acetic acid.
Protective clothing	Splash goggles. Full suit. Vapor respirator. Gloves.

Section VIII: Classification

TDG road / rail	Class 8: Corrosive material	
	Shipping name: SODIUM HODROXIDE, SOLID, 8, UN1823, PG II (Lid. Qty. Index, 1kg)	
Maritime transportation		
WHMIS	WHMIS CLASS E: Corrosive solid.	
Federal and provincial regulations	CEPA DSL: Caustic soda	

Section IX: Protective Measures

Protective clothing	Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use a MSHA approved respirator or equivalent. Gloves.	
Engineering controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.	

Section X: Other Information

References	-The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Hewley, G.G., The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec.
No additional remark.	
Validated by Service Santé et Sécurité on 03/07/2003.	Verified by Service Santé et Sécurité. Printed 07/08/2003.

Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)

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