



Material Safety Data Sheet

WHMIS 	TDG Road/Rail
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Section I. Product Identification and Uses

Trade name SUPER DISC (SANI-MARC)	Health Hazard 2
Code 30-10245	Fire Hazard 0
Supplier Sani-Marc Inc. 42 rue de l'Artisan Victoriaville, Qc G6P 7E3 1-819-758-1541	Reactivity 2
Manufacturer Sani-Marc Inc. 42 rue de l'Artisan Victoriaville, Qc G6P 7E3 1-819-758-1541	Personal Protection E
Material uses Consumer products: Controls bacteria and algae in swimming pool waters.	<p style="text-align: center;">Protective Clothing</p> <p style="text-align: center;"></p> <p style="text-align: center;">Governmental Approbations Not applicable.</p>

Section IA. First Aid Measures

Eye contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
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. Clean shoes thoroughly 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	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Hazardous inhalation	Move 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 hazardous 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	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Hazardous ingestion	Not available.

Section II. Hazardous Ingredients

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Name	CAS #	Conc. (% w/w)	Test	Result	Route	Species
Trichloroisocyanuric acid	87-90-1	60 - 100	LD50	406 mg/kg	Oral	Rat

Section III. Physical Data

Physical state and appearance	Solid.	Color	White.
pH (Pure)	Not available.	Odor	Chlorine. (Strong.)
pH (1% soln/water)	2.7 -3.3 (Conc. (% w/w): 1) [Acidic.]		
Odor threshold	Not available.		
Volatility	Not available.		
Freezing point	249°C (480.2°F)		
Boiling/Condensation point	Not available.		
Specific gravity	2.1 (Water = 1)		
Vapor density	Not available.		
Vapor pressure	Not available.		
Evaporation rate	Not available.		
Viscosity	Not available.		
Water/oil dist. coeff.	Not available.		
Ionicity (surface active agent)	Not available.		
Critical temperature	Not available.		
Instability temperature	Not available.		
Conditions of instability	Not available.		
Dispersion properties	See solubility in water.		
Solubility	Partially soluble in cold water, hot water.		

Section IV. Fire and Explosion Data

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The product is:	May be combustible at high temperature.
Auto-ignition temperature	Not available.
Fire degradation products	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ etc.).
Flash points	Not available.
Flammable limits	Not available.
Fire extinguishing procedures	Do not use water jet. Use flooding quantities of water. Avoid contact with organic materials.
Flammability	Highly flammable in the presence of the following materials or conditions: organic materials. Flammable in the presence of the following materials or conditions: combustible materials. On contact with nitrogen compounds, nitrogen trichloride fumes can be formed, which are explosive.
Risks of explosion	Not available.

Section V. Reactivity Data

Stability	The product is stable.
Hazardous decomp. products	Carbon oxides, nitrogen oxides, halogenated compounds.
Degradability	Not available.
Products of degradation	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ etc.). The products of degradation are less toxic than the product itself.
Corrosivity	Corrosive in the presence of stainless steel (316), of stainless steel (304), of steel.
Reactivity	Highly reactive or incompatible with the following materials: reducing materials, combustible materials, organic materials, acids, alkalis and moisture. Reacts violently with calcium hypochlorite.

Section VI. Toxicological Properties

Routes of entry	Dermal contact. Eye contact. Inhalation. Ingestion.
TLV	ACGIH (United States). TWA: 1.5 mg/m ³ Consult local authorities for acceptable exposure limits.
Toxicity for animals	Acute oral toxicity (LD50): 406 mg/kg [Rat].
Chronic effects on humans	<small>Very hazardous in case of skin contact (corrosive, irritant, sensitizer), of eye contact (irritant), of ingestion, of inhalation (lung irritant). CARCINOGENIC EFFECTS 3 (Not classifiable for humans.) by IARC. MUTAGENIC EFFECTS Not available. TERATOGENIC EFFECTS Not available. DEVELOPMENTAL TOXICITY Not available. The substance may be toxic to skin, eyes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.</small>
Acute effects on humans	Very hazardous in case of skin contact (corrosive, irritant, sensitizer), of eye contact (irritant, corrosive), of ingestion, of inhalation (lung irritant, lung corrosive). Prolonged exposure may result in skin burns and ulcerations. Over-exposure by inhalation may cause respiratory irritation. Severe over-exposure can result in death. 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

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Waste information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste stream	Not available.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Separate from acids, alkalis, reducing agents and combustibles. See NFPA 430, Code for the Storage of Liquid and Solid Oxidizers.
Precautions	Keep locked up. Keep container dry. Keep away from heat. Keep away from sources of ignition. Keep away from combustible material. Empty containers pose a fire risk. Evaporate the residue under a fume hood. Ground all equipment containing material. 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 such as reducing agents, combustible materials, organic materials, acids, alkalis, moisture.
Small spill and leak	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Avoid dispersal spilled material and runoff and contact with soil, waterways, drains and sewers. See other instruction in the section below.
Large spill and leak	Keep away from combustible and incompatibles materials. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
Protective clothing	Wear NIOSH approved self-contained breathing apparatus or equivalent and full protective gear. Splash goggles. Full suit. Boots. Gloves.

Section VIII. Classification

TDG road / rail	TDG Class 5.1: Oxidizing substance.	
	Shipping name: Trichloroisocyanuric acid, dry, class 5.1, UN 2468 PG: II (Limited Qt Index 1kg)	
Maritime transportation	Not available.	
WHMIS	Not controlled under WHMIS (Canada).	
Federal and provincial regulations	No products were found.	

Section IX. Protective Measures

Protective clothing	Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Impervious 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, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.	

Section X. Other Information

References	- Manufacturer's Material Safety Data Sheet. - Material Safety Data Sheet issued by: la Commission de la Santé et de la Sécurité du Travail du Québec.
Not available.	
Validated by Service Sante et Securite on 2009-08-27.	Verified by Service Sante et Securite. Printed 2009-08-27.

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

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