SANI-MARC
Les Produits. Et les Hommes.
People and Their Products.

Material Safety Data Sheet

WHMIS	TDG Road/Rail
	

Section I. Product Identification and Uses

Trade name	**ZOOM**
Code	03-70050
Supplier	International Stoneworks Inc. 2523 Fairway Park, Suite 510, Houston, Texas 77092
Manufacturer	SANI-MARC INC. 42 boul. de l'Artisan, Victoriaville, Qc (819) 758-1541 CANADA
Material uses	Industrial applications: Professional and powerful wax stripper & heavy duty degreaser.

Health Hazard	* 3
Fire Hazard	2
Reactivity	0
Personal Protection	H

Protective Clothing

Governmental Approbations

Not applicable.

Section IA. 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. 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. 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	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
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. Seek medical attention.
Slight ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Hazardous ingestion	Not available.

Section II. Hazardous Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC_{50}/LD_{50}
1) Monoethanolamine	141-43-5	5-10	Not available.	ORAL (LD50): Acute: 1720 mg/kg [Rat]. DERMAL (LD50): Acute: 1000 mg/kg [Rabbit].
2) Sodium ethylene diaminetetraacetate	64-02-8	1-5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].
3) Glycol ether EB	111-76-2	10-30	Not available.	ORAL (LD50): Acute: 1746 mg/kg [Rat]. DERMAL (LD50): Acute: 435 mg/kg [Rabbit].
4) Glycol éther PNB	5131-66-8	5-10	Not available.	ORAL (LD50): Acute: 3100 mg/kg [Rabbit].

Section III. Physical Data

Physical state and appearance	Liquid. (Transparent liquid.)
pH (Pure)	13 (Basic.)
pH (1% soln/water)	10.3 [Basic.]
Odor threshold	The highest known value is 0.48 ppm (Glycol ether EB)
Volatility	Not available.
Freezing point	May start to solidify at 10°C (50°F) based on data for: Monoethanolamine. Weighted average: -21.48°C (-6.7°F)
Boiling/Condensation point	The lowest known value is 100°C (212°F) (Water). Weighted average: 131.36°C (268.4°F)
Specific gravity	1 (Water = 1)
Vapor density	The highest known value is 4.6 (Air = 1) (Glycol éther PNB). Weighted average: 2.19 (Air = 1)
Vapor pressure	The highest known value is 101.3 kPa (@ 20°C) . Weighted average: 2.53 kPa (@ 20°C)
Evaporation rate	Not available.
Viscosity	Not available.
Water/oil dist. coeff.	The product is much more soluble in water.
Ionicity (surface active agent)	Anionic.
Critical temperature	Not available.
Instability temperature	Not available.
Conditions of instability	Not available.
Dispersion properties	See solubility in water, methanol, acetone.
Solubility	Easily soluble in cold water, hot water, methanol, acetone. Very slightly soluble in diethyl ether. Insoluble in n-octanol.

Color	Colorless.
Odor	Characteristic.

Section IV. Fire and Explosion Data

The product is:	Combustible.
Auto-ignition temperature	The lowest known value is 244°C (471.2°F) (Glycol ether EB).
Fire degradation products	These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...), sulfur oxides (SO2, SO3...). Some metallic oxides.
Flash points	CLOSED CUP: 66°C (150.8°F). (Tagliabue.)
Flammable limits	The greatest known range is LOWER: 3% UPPER: 23.5% (Monoethanolamine)
Fire extinguishing procedures	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Flammability	Flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks, of oxidizing materials, of reducing materials, of organic materials, of metals, of acids, of alkalis.
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.

Section V. Reactivity Data

Stability	The product is stable.
Hazardous decomp. products	Not available.
Degradability	Not available.
Products of degradation	These products are carbon oxides (CO, CO2) and water, nitrogen oxides (NO, NO2...), sulfur oxides (SO2, SO3...). Some metallic oxides. The products of degradation are as toxic as the original product.
Corrosivity	Corrosive in presence of aluminum. Non-corrosive in presence of glass, of steel, of zinc, of copper, of stainless steel(304), of stainless steel(316).
Reactivity	Reactive with oxidizing agents, acids, alkalis. Slightly reactive to reactive with reducing agents, metals. Non-reactive with combustible materials, organic materials.

Section VI. Toxicological Properties

Routes of entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
TLV	**Monoethanolamine** TWA: 3 (ppm) from OSHA (PEL) [United States] TWA: 3 (ppb) **Caustic soda** TWA: 2 (ppm) from ACGIH (TLV) [United States] **Glycol ether EB** TWA: 25 (ppb) from ACGIH (TLV) [United States] SKIN Consult local authorities for acceptable exposure limits.
Toxicity for animals	Acute oral toxicity (LD50): 650 mg/kg [Rat]. Acute dermal toxicity (LD50): 435 mg/kg [Rabbit]. (Glycol ether EB).
Chronic effects on humans	Hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of eye contact (irritant), of ingestion, . Very slightly hazardous in case of inhalation (lung irritant, lung sensitizer). **CARCINOGENIC EFFECTS**: Not available. **MUTAGENIC EFFECTS**: Classified None. for human. **TERATOGENIC EFFECTS**: Classified None. for human. **DEVELOPMENTAL TOXICITY**: Not toxic.
Acute effects on humans	Hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of eye contact (irritant, corrosive), of ingestion. Very slightly hazardous in case of inhalation (lung irritant, lung sensitizer, lung corrosive).

Section VII. Preventive Measures

Waste information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste stream	Not available.
Storage	Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
Precautions	Keep container dry. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. 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 oxidizing agents, acids, alkalis.
Small spill and leak	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: **Neutralize the residue with a dilute solution of acetic acid.**
Large spill and leak	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. **Neutralize the residue with a dilute solution of acetic acid.** Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
Protective clothing	Splash goggles. Full suit. Vapor respirator. Boots. Gloves.

Section VIII. Classification

TDG road / rail	Class 8: Corrosive material
	Shipping name: CORROSIVE LIQUIDS, N.O.S. UNNA: 1760 PG: II
Maritime transportation	Not available.
WHMIS	CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive liquid.
Federal and provincial regulations	No products were found.

Section IX. Protective Measures

Protective clothing	Splash goggles. Synthetic apron. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves (impervious).
Engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section X. Other Information

References Not available.

Not available.

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