




# Material Safety Data Sheet

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

<b>Trade name</b> <b>W-400</b>	<b>Health Hazard</b> * <b>2</b>
<b>Code</b> 09-12290	<b>Fire Hazard</b> <b>0</b>
<b>Supplier</b> Wood Wyant Inc. 42 rue de l'Artisan Victoriaville, PQ G6P 7E3	<b>Reactivity</b> <b>0</b>
<b>Manufacturer</b> SANI-MARC INC. 42 boul. de l'Artisan, Victoriaville, Qc (819) 758-1541	<b>Personal Protection</b> <b>B</b>
<b>Material uses</b> Industrial applications: Cleaner / Disinfectant.	<b>Protective Clothing</b> 
	<b>Governmental Approbations</b> DIN# 02285770

## Section IA. First Aid Measures

<b>Eye contact</b>	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. Finish by rinsing thoroughly with running water to avoid a possible infection.
<b>Skin contact</b>	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.
<b>Hazardous skin contact</b>	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
<b>Slight inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
<b>Hazardous inhalation</b>	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. Seek medical attention.
<b>Slight ingestion</b>	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Hazardous ingestion</b>	Not available.

**Section II. Hazardous Ingredients**

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Name	CAS #	Conc. (% w/w)	Test	Result	Route	Species
Tétrapotassium pyrophosphate	7320-34-5	1-5	LD50	>1000 mg/kg	Oral	Rat.
			LD50	>4640 mg/kg	Dermal	Rabbit.
Linear alcohol ethoxylated	68131-39-5	1-5	LD50	4150 mg/kg	Oral	Rat
Sodium metasilicate anhydrous	6834-92-0	1-5	LD50	1153 mg/kg	Oral	Rat.
			LD50	770 mg/kg	Oral	Mouse
Ethanol	64-17-5	0.1-1	LD50	1501 mg/kg	Oral	Rat.
			LC50	124.7 ppm (4 hour/hours)	Inhalation	Rat.
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	68956-79-6	1-5	LD50	>750 mg/kg	Oral	Rat

**Section III. Physical Data**

Physical state and appearance	Liquid. (Transparent liquid)	<b>Color</b>	Green. (Light.)
pH (Pure)	13 (Basic.)	<b>Odor</b>	Lemon like. (Slight.)
pH (1% soln/water)	10.5 [Basic.]		
Odor threshold	Not available.		
Volatility	Not available.		
Freezing point	May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -0.18°C (31.7°F)		
Boiling/Condensation point	The lowest known value is 100°C (212°F) (Water). Weighted average: 100.04°C (212.1°F)		
Specific gravity	1.07 (Water = 1)		
Vapor density	The highest known value is 1.6 (Air = 1) (Alkyl dimethyl ethyl benzyl ammonium chloride). Weighted average: 1.02 (Air = 1)		
Vapor pressure	The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water).		
Evaporation rate	Not available.		
Viscosity	Not available.		
Water/oil dist. coeff.	The product is much more soluble in water.		
Ionicity (surface active agent)	Cationic.		
Critical temperature	Not available.		
Instability temperature	Not available.		
Conditions of instability	Not available.		
Dispersion properties	See solubility in water.		
Solubility	Easily soluble in cold water, hot water. Insoluble in methanol, diethyl ether, 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	Risk of explosion of the product in the presence of mechanical impact: Not available. Risk of explosion of the product in the 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 phosphates. Some metallic oxides. The products of degradation are as toxic as the original product.
Corrosivity	Slightly corrosive in the presence of copper.
Reactivity	Reactive with acids. Non-reactive with metals, alkalis.

## Section VI. Toxicological Properties

Routes of entry	Absorbed through skin. Dermal contact. Eye contact. Ingestion.
TLV	Not available.
Toxicity for animals	Acute oral toxicity (LD50): 770 mg/kg [Mouse]. (Sodium metasilicate anhydrous). Acute dermal toxicity (LD50): >4640 mg/kg [Rabbit.]. (Tetrapotassium pyrophosphate ).
Chronic effects on humans	Hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of eye contact (irritant), of ingestion. Non-hazardous in case of inhalation. Non-irritant to lungs. Non-sensitizer to lungs. <b>CARCINOGENIC EFFECTS</b> Not available. <b>MUTAGENIC EFFECTS</b> Not available. <b>TERATOGENIC EFFECTS</b> Not available. <b>DEVELOPMENTAL TOXICITY</b> Not toxic.
Acute effects on humans	Hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of eye contact (irritant, corrosive), of ingestion. Non-hazardous in case of inhalation. Non-irritant to lungs. Non-sensitizer to lungs. Non-corrosive to lungs.



## Section VII. Preventive Measures

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<b>Waste information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Waste stream</b>	Not available.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.
<b>Precautions</b>	Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. 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 acids.
<b>Small spill and leak</b>	Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: <b>Neutralize the residue with a dilute solution of acetic acid</b>
<b>Large spill and leak</b>	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container. <b>Neutralize the residue with a dilute solution of acetic acid.</b>
<b>Protective clothing</b>	Splash goggles. Full suit. Gloves.

## Section VIII. Classification

<b>TDG road / rail</b>	TDG Class 8: Corrosive liquid.  Shipping name: CORROSIVE LIQUID, N.O.S. (SODIUM SILICATE), 8, UN1760, PG III (Ltd. Qty. Index, 5L)	
<b>Maritime transportation</b>	Not available.	
<b>WHMIS</b>	Class E: Corrosive material	
<b>Federal and provincial regulations</b>	CEPA DSL: No products were found.	

## Section IX. Protective Measures

<b>Protective clothing</b>	Safety glasses. Lab coat. Gloves (impervious).	
<b>Engineering controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.	

## Section X. Other Information

<b>References</b>	Not available.
Not available.	
Validated by Service Sante et Securite on 2009-03-10.	Verified by Service Sante et Securite. Printed 2009-03-10.

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

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