



# Material Safety Data Sheet

WHMIS	TDG Road/Rail

<b>Section I. Product Identification and Uses</b>									
<b>Trade name</b> NETTOIE-TUBE (D&G)	<table border="1" style="width: 100%;"> <tr> <td style="background-color: #00b0f0; color: white;"><b>Health Hazard</b></td> <td style="text-align: right;">* 2</td> </tr> <tr> <td style="background-color: #ff0000; color: white;"><b>Fire Hazard</b></td> <td style="text-align: right;">0</td> </tr> <tr> <td style="background-color: #ffff00;"><b>Reactivity</b></td> <td style="text-align: right;">0</td> </tr> <tr> <td><b>Personal Protection</b></td> <td style="text-align: right;">B</td> </tr> </table>	<b>Health Hazard</b>	* 2	<b>Fire Hazard</b>	0	<b>Reactivity</b>	0	<b>Personal Protection</b>	B
<b>Health Hazard</b>	* 2								
<b>Fire Hazard</b>	0								
<b>Reactivity</b>	0								
<b>Personal Protection</b>	B								
<b>Code</b> 07-55001									
<b>Supplier</b> SANI-MARC INC. 42 boul. de l'Artisan, Victoriaville, Qc (819) 758-1541									
<b>Manufacturer</b> SANI-MARC INC. 42 boul. de l'Artisan, Victoriaville, Qc (819) 758-1541	<b>Protective Clothing</b> 								
<b>Material uses</b> Industrial applications: Acid scale remover.	<b>Governmental Approbations</b> Not applicable.								

<b>Section IA. First Aid Measures</b>	
<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.
<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 immediately.
<b>Hazardous inhalation</b>	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. <b>WARNING:</b> 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.
<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
Phosphoric acid	7664-38-2	30-60	LD50 LD50	1530 mg/kg 2740 mg/kg	Oral Dermal	Rat. Rabbit.

**Section III. Physical Data**

Physical state and appearance	Liquid. (Transparent liquid)	<b>Color</b>	Pink. (Light.)
pH (Pure)	2.2 [Acidic.]	<b>Odor</b>	Odorless.
pH (1% soln/water)	Not available.		
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: -6.73°C (19.9°F)		
Boiling/Condensation point	The lowest known value is 100°C (212°F) (Water). Weighted average: 111.79°C (233.2°F)		
Specific gravity	1.215 (Water = 1)		
Vapor density	The highest known value is 1 (Air = 1) (Water).		
Vapor pressure	The highest known value is 2.3 kPa (@ 20°C) (Water). Weighted average: 1.79 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)	Non-ionic.		
Critical temperature	Not available.		
Instability temperature	Not available.		
Conditions of instability	Not available.		
Dispersion properties	See solubility in water, methanol.		
Solubility	Easily soluble in cold water, hot water, methanol. Insoluble in diethyl ether, n-octanol.		

**Section IV. Fire and Explosion Data**

<b>The product is:</b>	Non-flammable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Fire degradation products</b>	Not applicable.
<b>Flash points</b>	Not applicable.
<b>Flammable limits</b>	Not applicable.
<b>Fire extinguishing procedures</b>	Not applicable.
<b>Flammability</b>	Not available.
<b>Risks of explosion</b>	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**

<b>Stability</b>	The product is stable.
<b>Hazardous decomp. products</b>	Not available.
<b>Degradability</b>	Not available.
<b>Products of degradation</b>	These products are carbon oxides (CO, CO <sub>2</sub> ) and water, phosphates. Some metallic oxides. The products of degradation are more toxic.
<b>Corrosivity</b>	Not considered to be corrosive for metals and glass.
<b>Reactivity</b>	Reactive with organic materials, metals, alkalis.

**Section VI. Toxicological Properties**

<b>Routes of entry</b>	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
<b>TLV</b>	Not available.
<b>Toxicity for animals</b>	Acute oral toxicity (LD50): 1530 mg/kg [Rat.]. (Phosphoric acid). Acute dermal toxicity (LD50): 2740 mg/kg [Rabbit.]. (Phosphoric acid).
<b>Chronic effects on humans</b>	Hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of eye contact (irritant), of ingestion, of inhalation (lung irritant, lung sensitizer). <b>CARCINOGENIC EFFECTS</b> Classified None. by OSHA [Phosphoric acid]. <b>MUTAGENIC EFFECTS</b> Not available. <b>TERATOGENIC EFFECTS</b> Not available. <b>DEVELOPMENTAL TOXICITY</b> Not toxic.
<b>Acute effects on humans</b>	Hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of eye contact (irritant, corrosive), of ingestion, of inhalation (lung irritant, lung sensitizer, lung corrosive). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.



## 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. 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 organic materials, metals, alkalis.
<b>Small spill and leak</b>	Dilute with water and mop up, 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 sodium carbonate</b>
<b>Large spill and leak</b>	Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not allow water to enter container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas. Dike if necessary. Call for assistance on disposal. <b>Neutralize the residue with a dilute solution of sodium carbonate.</b>
<b>Protective clothing</b>	Splash goggles. Full suit. Boots. Gloves.

## Section VIII. Classification

<b>TDG road / rail</b>	TDG CLASS 8: Corrosive liquid.	
	Shipping name: CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID), 8, UN1760, PG III (Ltd. Qty. Index, 5L)	
<b>Maritime transportation</b>	Not available.	
<b>WHMIS</b>	CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive liquid.	
<b>Federal and provincial regulations</b>	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 Company on 2009-07-07.	Verified by Company. Printed 2009-07-07.

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

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*