



Material Safety Data Sheet

WHMIS	TDG Road/Rail

Section I. Product Identification and Uses	
Trade name NETTOIE-PANNE (D&G)	Health Hazard * 2
Code 07-55000	Fire Hazard 0
Supplier SANI-MARC INC. 42 boul. de l'Artisan, Victoriaville, Qc (819) 758-1541	Reactivity 0
Manufacturer SANI-MARC INC. 42 boul. de l'Artisan, Victoriaville, Qc (819) 758-1541	Personal Protection B
Material uses Industrial applications: Acid scale remover.	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	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	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.
Hazardous ingestion	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)	Color	Green. (Light.)
pH (Pure)	2.1 [Acidic.]	Odor	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: -6.71°C (19.9°F)		
Boiling/Condensation point	The lowest known value is 100°C (212°F) (Water). Weighted average: 111.74°C (233.1°F)		
Specific gravity	1.214 (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: 1.8 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

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.

Section V. Reactivity Data

Stability	The product is stable.
Hazardous decomp. products	Not applicable.
Degradability	Not available.
Products of degradation	Not applicable. The products of degradation are more toxic.
Corrosivity	Not considered to be corrosive for metals and glass.
Reactivity	Reactive with organic materials, metals, alkalis.



Section VI. Toxicological Properties

Routes of entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
TLV	Not available.
Toxicity for animals	Acute oral toxicity (LD50): 1530 mg/kg [Rat.]. (Phosphoric acid). Acute dermal toxicity (LD50): 2740 mg/kg [Rabbit.]. (Phosphoric acid).
Chronic effects on humans	Hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of eye contact (irritant), of ingestion, of inhalation (lung irritant, lung sensitizer). CARCINOGENIC EFFECTS Classified None. by OSHA [Phosphoric acid]. MUTAGENIC EFFECTS Not available. TERATOGENIC EFFECTS Not available. DEVELOPMENTAL TOXICITY Not toxic.
Acute effects on humans	Hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of eye contact (irritant), of ingestion, of inhalation, lungs irritant, lungs sensitizer. 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

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.
Precautions	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.
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 sodium carbonate
Large spill and leak	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. Neutralize the residue with a dilute solution of sodium carbonate.
Protective clothing	Splash goggles. Full suit. Boots. Gloves.

Section VIII. Classification

TDG road / rail	TDG Class 8: Corrosive liquid.	
	Shipping name: CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID), 8, UN1760, PG III (Ltd. Qty. Index, 5L)	
Maritime transportation	Not available.	
WHMIS	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	Safety glasses. Lab coat. Gloves (impervious).	
Engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.	

Section X. Other Information

References	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)

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