



**\*SANI-MARC**

*Les Produits. Et les Hommes.  
People and Their Products.*

# Material Safety Data Sheet

WHMIS	TDG Road/Rail

<b>Section I. Product Identification and Uses</b>																									
<b>Trade name</b>	<b>PH + (CLEARWATER)</b>																								
<b>Code</b>	30-13190																								
<b>Supplier</b>	CLEARWATER C.P. 25, Victoriaville, (Qc) G6P 6S4																								
<b>Manufacturer</b>	SANI-MARC INC. 42 boul. de l'Artisan, Victoriaville, Qc (819) 758-1541																								
<b>Material uses</b>	Consumer products: pH booster for swimming pools.																								
<table border="1"> <tr> <td><b>Health Hazard</b></td> <td>*</td> <td><b>1</b></td> </tr> <tr> <td><b>Fire Hazard</b></td> <td></td> <td><b>0</b></td> </tr> <tr> <td><b>Reactivity</b></td> <td></td> <td><b>0</b></td> </tr> <tr> <td><b>Personal Protection</b></td> <td></td> <td><b>A</b></td> </tr> <tr> <td colspan="3" style="text-align: center;"><b>Protective Clothing</b></td> </tr> <tr> <td colspan="3" style="text-align: center;"></td> </tr> <tr> <td colspan="3" style="text-align: center;"><b>Governmental Approbations</b></td> </tr> <tr> <td colspan="3" style="text-align: center;">Not applicable.</td> </tr> </table>		<b>Health Hazard</b>	*	<b>1</b>	<b>Fire Hazard</b>		<b>0</b>	<b>Reactivity</b>		<b>0</b>	<b>Personal Protection</b>		<b>A</b>	<b>Protective Clothing</b>						<b>Governmental Approbations</b>			Not applicable.		
<b>Health Hazard</b>	*	<b>1</b>																							
<b>Fire Hazard</b>		<b>0</b>																							
<b>Reactivity</b>		<b>0</b>																							
<b>Personal Protection</b>		<b>A</b>																							
<b>Protective Clothing</b>																									
<b>Governmental Approbations</b>																									
Not applicable.																									

<b>Section IA. First Aid Measures</b>	
<b>Eye contact</b>	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used.
<b>Skin contact</b>	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
<b>Hazardous skin contact</b>	No additional information.
<b>Slight inhalation</b>	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
<b>Hazardous inhalation</b>	No additional information.
<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. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
<b>Hazardous ingestion</b>	No additional information.

**Section II. Hazardous Ingredients**

PH + (CLEARWATER)

page 2/4

Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Soda ash	497-19-8	60-100	TWA: 10 (mg/m <sup>3</sup> ) from ACGIH [1991]	ORAL (LD50): Acute: 4090 mg/kg [Rat].

**Section III. Physical Data**

Physical state and appearance	Solid. (Solid powder.)	<b>Color</b>	White.
pH (Pure)	PH +r (rapide)	<b>Odor</b>	Odorless.
pH (1% soln/water)	11 [Basic.]		
Odor threshold	Not available.		
Volatility	Not available.		
Freezing point	854°C (1569.2°F)		
Boiling/Condensation point	Not available.		
Specific gravity	2.53 (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	No additional remark.		
Dispersion properties	See solubility in water.		
Solubility	Soluble in cold water, hot water. Insoluble in methanol.		

**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 applicable.
<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. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.

**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>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are more toxic.
<b>Corrosivity</b>	Corrosive in presence of aluminum.
<b>Reactivity</b>	Reactive with metals, acids.

**Section VI. Toxicological Properties**

<b>Routes of entry</b>	Absorbed through skin. Eye contact. Inhalation. Ingestion.
<b>TLV</b>	TWA: 10 (mg/m <sup>3</sup> ) from ACGIH [1991]  Consult local authorities for acceptable exposure limits.
<b>Toxicity for animals</b>	Acute oral toxicity (LD50): 4090 mg/kg [Rat].
<b>Chronic effects on humans</b>	Slightly hazardous in case of skin contact (corrosive, irritant, sensitizer), of eye contact (irritant), of ingestion, of inhalation. Non-permeator by skin. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.
<b>Acute effects on humans</b>	Slightly hazardous in case of skin contact (corrosive, irritant, sensitizer), of eye contact (irritant), of ingestion, of inhalation. Non-permeator by skin.



## Section VII. Preventive Measures

PH + (CLEARWATER)


page 4/4

Waste information	Not available.
Waste stream	Not available.
Storage	No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.
Precautions	DO NOT ingest. DO NOT breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as metals, acids.
Small spill and leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: <b>Neutralize the residue with a dilute solution of acetic acid.</b> Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large spill and leak	Use a shovel to put the material into a convenient waste disposal container. <b>Neutralize the residue with a dilute solution of acetic acid.</b> Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Protective clothing	Splash goggles. Full suit. Boots. Gloves.

## Section VIII. Classification

TDG road / rail	Not controlled under TDG (Canada).	
	Not applicable.	
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.	
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, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.	

## Section X. Other Information

References	Not available.
No additional remark.	
Validated by Service Santé et Sécurité on 17/07/2003.	Verified by Service Santé et Sécurité. Printed 17/07/2003.

**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.