



MATERIAL SAFETY DATA SHEET (MSDS)

Strate Flush

Emulsion Bowl Cleaner and Deodorizer

Acid Cleaners



SECTION I ▶ PRODUCT IDENTIFICATION					
Product Name		Product Type		WHMIS Classification	
Strate Flush		Emulsion Bowl Cleaner and Deodorizer		D1A, E	
SECTION II ▶ HAZARDOUS INGREDIENTS					
Chemical Name		Cas Registry No.	%	Toxicity	
Hydrochloric Acid		7647-01-0	15-40	LC ₅₀ (RAT) 3124 ppm	
SECTION III ▶ PHYSICAL DATA					
Appearance	Odour	pH	Boiling Point	Specific Gravity	Solubility in Water
White opaque liquid	Pungent	<1.0	100 °C	1.1	100 %
SECTION IV ▶ FIRE AND EXPLOSION HAZARD DATA					
Flash Point (°C): None			Extinguishing media: Not Applicable		
Special fire fighting procedures: Avoid direct use of water which can generate heat and cause splattering.					
Unusual fire and explosion hazards: Can react with oxidizing and reducing agents to cause fires and explosions. Can react with produce flammable hydrogen gas.					
SECTION V ▶ TOXICOLOGICAL PROPERTIES					
HAZARD RATING: Health = 3 Flammability = 0 Reactivity = 3					Rating System 0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme
Swallowing: Very corrosive to digestive tract, teeth, etc.					
Inhalation: Very corrosive to mucous membrane and lungs.					
Skin Absorption: Effect unknown by toxicity is expected.					
Skin Contact: Very corrosive; causes severe burns.					
Eye Contact: Very corrosive; causes severe injury.					
Special Warning: Avoid skin contact					
SECTION VI ▶ FIRST AID MEASURES					
Ingestion: Give 3-4 glasses of milk or water. Do not induce vomiting. Call a physician immediately.					
Inhalation: Remove to fresh air. Apply artificial respiration if necessary. Call a physician.					
Skin: Wash thoroughly with water. Call a physician.					
Eyes: Flush thoroughly with water. Call a physician immediately.					
SECTION VII ▶ REACTIVITY DATA					
Stable: Yes					
Conditions to avoid: Do not add water directly to acid.					
Incompatibility with other materials: Directly added water, organic compounds, alkalies, oxidants, metals.					
Hazardous decomposition products: Acid fumes, H ² , Gas					
Hazardous polymerization: Will not occur.					
SECTION VIII ▶ PREVENTIVE MEASURES					
Hand protection: Neoprene, PVC or rubber gloves					
Eye protection: Goggles or face shield					
Ventilation: General					
Respiratory protection: Use respirator if misty conditions prevail.					
Other protective equipment: Neoprene, PVC or rubber apron when handling large quantities.					
Steps to be taken in case material is released or spilled: Ventilate area. Wear protective gear. Neutralize small spills with soda ash or lime and wash down with large quantities of water. Never add water directly to spill or an explosive reaction and splattering may result.					
Waste disposal method: Flush neutralized material into waste systems in accordance with municipal, provincial and federal regulations.					
Precautions to be taken in handling and storage: Normal handling processes. Inside storage at 4-40 °C recommended.					
Other precautions: Follow label use instructions.					
UN: 1789		TDG Class: 8 (9.2)		Packing Group: II	
TDG Emergency Telephone Number: 613-996-6666 (COLLECT)					
SECTION IX ▶ PREPERATION DATA					
Prepared by: D.R. Dunlop			Last updated: November 1, 2009		
Location: Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861					

Strate Flush

Emulsion Bowl Cleaner and Deodorizer

"An acid bowl cleaner designed to clean and deodorize in one operation."

FEATURES AND BENEFITS

Hydrochloric acid based (23%) – quickly removes rust and mineral stains.

Non-ionic detergent – gives excellent penetration wetting and soil suspension properties.

Ready-to-use – no mixing required.

Convenient package – user friendly, 1 litre bottles.

WHERE TO USE

Quickly removes stains and mineral deposits from any porcelain surface such as urinals and toilet bowls. Will not harm plumbing or septic tank systems.

HOW TO USE

TOILET BOWLS:

Pour into bowl. Clean thoroughly with particular attention to flush ring. Flush and rinse brush. URINALS:

Squeeze solution into urinals and brush down immediately. Thoroughly clean all surfaces, grooves and water outlet.

Pour around drain pipe and clean thoroughly.

SPECIFICATIONS

Appearance: white opaque liquid

Fragrance: pungent

Viscosity: as water

Active %: 23.0

pH (conc.) : <1.0

pH (1%) : not applicable

Solvent : none

Phosphate : none

WHMIS : yes

TDG : Yes