



# MATERIAL SAFETY DATA SHEET (MSDS)

## Strate Flush

*Emulsion Bowl Cleaner and Deodorizer*

*Acid Cleaners*



SECTION I ▶ PRODUCT IDENTIFICATION					
<b>Product Name</b>		<b>Product Type</b>		<b>WHMIS Classification</b>	
Strate Flush		Emulsion Bowl Cleaner and Deodorizer		E, DIB	
SECTION II ▶ HAZARDOUS INGREDIENTS					
<b>Chemical Name</b>		<b>Cas Registry No.</b>	<b>%</b>	<b>Toxicity</b>	
Hydrochloric Acid		7647-01-0	15-40	LC <sub>50</sub> (RAT) 3124 ppm	
SECTION III ▶ PHYSICAL DATA					
<b>Appearance</b>	<b>Odour</b>	<b>pH</b>	<b>Boiling Point</b>	<b>Specific Gravity</b>	<b>Solubility in Water</b>
White opaque liquid	Pungent	<1.0	100 °C	1.1	100 %
SECTION IV ▶ FIRE AND EXPLOSION HAZARD DATA					
<b>Flash Point (°C):</b> None			<b>Extinguishing media:</b> Not Applicable		
<b>Special fire fighting procedures:</b> Avoid direct use of water which can generate heat and cause splattering.					
<b>Unusual fire and explosion hazards:</b> Not Applicable					
SECTION V ▶ TOXICOLOGICAL PROPERTIES					
<b>HAZARD RATING:</b> Health = 3 Flammability = 0 Reactivity = 3					<b>Rating System</b> 0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme
<b>Swallowing:</b> Harmful or fatal if swallowed. Very corrosive to digestive tract, teeth, etc.					
<b>Inhalation:</b> Very corrosive to mucous membrane and lungs.					
<b>Skin Absorption:</b> Effect unknown by toxicity is expected.					
<b>Skin Contact:</b> Very corrosive; causes severe burns.					
<b>Eye Contact:</b> Very corrosive; causes severe injury.					
<b>Special Warning:</b> Avoid skin contact					
SECTION VI ▶ FIRST AID MEASURES					
<b>Ingestion:</b> Give 3-4 glasses of milk or water. Do not induce vomiting. Call a physician immediately.					
<b>Inhalation:</b> Remove to fresh air. Call a physician if symptoms persist.					
<b>Skin:</b> WFlush with water for at least 15 minutes. call a physician.					
<b>Eyes:</b> Flush with water for at least 15 minutes. Call a physician immediately.					
SECTION VII ▶ REACTIVITY DATA					
<b>Stable:</b> Yes					
<b>Conditions to avoid:</b> Do not add water directly to acid.					
<b>Incompatibility with other materials:</b> Directly added water, organic compounds, alkalies, oxidants, metals.					
<b>Hazardous decomposition products:</b> Toxic chlorine fumes.					
<b>Hazardous polymerization:</b> Will not occur.					
SECTION VIII ▶ PREVENTIVE MEASURES					
<b>Hand protection:</b> Neoprene, PVC or rubber gloves					
<b>Eye protection:</b> Goggles or safety glasses.					
<b>Ventilation:</b> General					
<b>Respiratory protection:</b> Use respirator if misty conditions prevail.					
<b>Other protective equipment:</b> Neoprene, PVC or rubber apron when handling large quantities.					
<b>Steps to be taken in case material is released or spilled:</b> 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.					
<b>Waste disposal method:</b> Flush neutralized material into waste systems in accordance with municipal, provincial and federal regulations.					
<b>Precautions to be taken in handling and storage:</b> Normal handling processes. Inside storage at 4-40 °C recommended.					
<b>Other precautions:</b> Follow label use instructions.					
<b>UN:</b> 1789		<b>TDG Class:</b> 8		<b>Packing Group:</b> II	
<b>TDG Emergency Telephone Number:</b> 613-996-6666 (COLLECT)					
SECTION IX ▶ PREPERATION DATA					
<b>Prepared by:</b> D.R. Dunlop			<b>Last updated:</b> January 3, 2012		
<b>Location:</b> 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