

**Sanidine**

Machine Sanitizer

DESCRIPTION

Sanidine is formulated as a combination Rinse and Sanitizer for use in the final rinse of glass washers and as a sanitizing solution for food processing equipment. **Sanidine** can be used as a third sink sanitizer and for cleaning floors, walls, and garbage cans.

Sanidine is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants. Surfaces in direct food contact must be rinsed with potable water.

SPECIAL INFORMATION

Dairies, Food Processing and Fish Plant sanitizing:

Pre-flush with warm water. Wash with 25 ppm **Sanidine** solution using warm water. Rinse with potable water. Prior to using equipment, sanitize with 25 ppm **Sanidine** solution. No potable rinse is required. Daily use of **Sanidine** will prevent milkstone buildup.

DIRECTIONS

Bulk Milk tank sanitizing:

Flush with lukewarm water until all milk is washed out. Wash with 100 ppm **Sanidine** solution. Brush thoroughly. Drain and rinse with potable water.

Bar glass washing and Low temperature dishwasher sanitizing:

Use **Sanidine** full strength or 128 oz per gallon (1000 ml/liter) (1:1) with water. Meter into final rinse at 12 ppm for sanitizing (at 12 ppm no potable rinse is required).

Dilution Ratios:

12 ppm	0.2 oz per gallon of water (1.5 ml/litre) (1:640).
25 ppm	0.4 oz per gallon of water (3.0 ml/litre) (1:320).
100 ppm	1.6 oz per gallon of water (12 ml/liter) (1:80).

PHYSICAL DATA

Appearance	Liquid
Color	Dark brown
Foam	Low
Odor	Antiseptic
pH	1.0 - 2.0

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **Sanidine**

WHMIS CODE: E
 Proper Shipping Name: PHOSPHORIC ACID, SOLUTION
 Hazard Class: Class 8, PG III
 UN Number: UN1805 (Ltd. Qty.)

HMIS	
3	Health
0	Flammability
0	Reactivity
B	Personal

Product Use: *Detergent sanitizer.*

A=Goggles, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

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 Canada: Canutec 613-996-6666
 U.S.A.: Chemtrec 800-424-9300

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
TITRATABLE IODINE	7553-56-2	0.9	N/E	0.1 ppm (Iodine 100%)
LD50 (oral rat)	3150 mg/kg			
LD50 (dermal)	No Data			
LC50	No Data			
PHOSPHORIC ACID	7664-38-2	5.0-10.0	1 ppm	1 ppm
The above item is reported per 40 CFR 372, Section 313 of Emergency Planning & Community Right-to-know Act of 1986.				
LD50 (oral rat)	1530 mg/kg			
LD50 (dermal)	2740 mg/kg (Rabbit)			
LC50	N/D			

SECTION 3 – PHYSICAL DATA

Color and Odor: Dark brown, antiseptic odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 1.0 – 2.0
Physical State: Viscous liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.05 @ 20°C
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C (TCC) **Sensitivity to Mechanical Impact:** None. **Extinguishing Media:** Not flammable.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Conditions of Flammability: None.
Unusual Fire and Explosion Hazards: Flammable hydrogen gas may liberate upon prolonged contact with sensitive metals (i.e. aluminum, zinc, etc.).
Hazardous Combustion Products: Flammable hydrogen gas may be produced in contact with some metals. Under fire conditions, toxic fumes of phosphorus oxide and iodine may be produced.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions. **Hazardous Polymerization:** Will not Occur.
Incompatibility (material to avoid): Strong oxidizers, alkalis, amines, Avoid contact with strong alkali or soft metals like aluminum, zinc etc.
Hazardous Decomposition Products: Flammable hydrogen gas may be produced in contact with some metals. Oxides of phosphorus under fire conditions may be produced.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, inhalation, and ingestion.
Irritancy of Product: Corrosive to skin, eyes and respiratory system. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure can cause skin damage or dermatitis, respiratory disorder and or lung damage.
Effects of Acute Exposure to Product: Product exposure can cause severe burn or damage to skin and eyes. Inhalation of vapors or mists causes respiratory discomfort such as breathing difficulties, burning, coughing, etc. Ingestion may cause gastro-intestinal and abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: If product is misted or sprayed, or used in a confined area, use a NIOSH/MSHA approved dust/mist respirator.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Natural or butyl rubber, nitrile or neoprene gloves.
Eye Protection: Chemical goggles, safety goggles or face shield.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from heat sources, metals and oxidizers. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30°C (86°F) and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give magnesia and plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: Dec. 24, 2014
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE