



Max Pro San

Machine Sanitizer

DESCRIPTION

Max Pro San is a highly concentrated, sanitizing solution designed to be automatically dispensed into the rinse cycle of low temperature dishwashing machines and certain types of bar glass washers.

Additionally, *Max Pro San* can be used as a third-sink sanitizer.

SPECIAL INFORMATION

Max Pro San is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants.

DIRECTIONS

Low temp ware washing machine:

Max Pro San is automatically dispensed through machine injection system at required concentrations to meet the available chlorine requirements of the local health regulation.

Third-sink sanitizer:

Use *Max Pro San* as directed to meet local health by-laws. Please consult your Maxim representative for specific recommendations to meet your particular needs.

PHYSICAL DATA

Appearance	Clear liquid
Color	Pale yellow
Foam	None
Odor	Slight chlorine
pH	11.5 – 12.5

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **MAX PRO SAN**
Product Use: *Machine sanitizing solution.*
WHMIS CODE: E
Proper Shipping Name: N/A
Hazard Class: N/A
UN Number: N/A

HMIS	
3	Health
0	Flammability
1	Reactivity
C	Personal

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U.S.A.: Chemtrec 800-424-9300

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

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
SODIUM HYPOCHLORITE	7681-52-9	1.0 – 7.0	N/A	N/E
LD50 (oral rat)	8910 mg/kg			
LD50 (dermal)	N/A			
LC50 (Inhal., rat, 4h)	5250 mg/m3			

SECTION 3 – PHYSICAL DATA

Color and Odor: Green to yellow, chlorine odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 11.5-12.5
Physical State: Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.085 @ 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 combustible. **Sensitivity to Mechanical Impact:** None. **Conditions of Flammability:** None.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Extinguishing Media: Product is not flammable. Use extinguishing media suitable for surrounding fires.
Unusual Fire and Explosion Hazards: Protective clothing for skin and eye protection to prevent highly alkaline material. Closed containers expose to heat may explode. Spilled material may cause floor slippery.
Hazardous Combustion Products: Thermal decomposition products are toxic and may include oxide of chlorine and sodium.
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: Unstable under normal storage conditions, Sodium Hypochlorite solution decompose slowly. Decomposition accelerated by heat (above 40 °C) and light.
Hazardous Polymerization: Will not Occur.
Incompatibility (material to avoid): Strong reducing agent, organic compounds. Lewis or mineral acid. Methanol. Ammonia. Urea.
Hazardous Decomposition Products: Thermal decomposition products are toxic and may include oxide of chlorine and sodium.
Conditions to Avoid: High temperature, spark, open flame.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, ingestion, inhalation.
Irritancy of Product: Corrosive to skin, eyes and respiratory system. **Carcinogenicity:** Non hazardous by WHMIS criteria.
Sensitization: None known. **Mutagenicity:** Result of tests in animal has been negative.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause productive cough, running nose, redness, pain and drying and cracking of skin.
Effects of Acute Exposure to Product: Product exposure may cause irritation of the nose, throat, and respiratory trace.

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 rubber, nitrile or PVC gloves.
Eye Protection: Full face-shield and chemical safety goggles when there is potential for contact.
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 incompatibles. Vent caps may be required to prevent a build-up of pressure that could cause containers to burst. Do not mix with any other chemicals. Store below 29 °C (84°F). Keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Carefully neutralize by adding 35% hydrogen peroxide at one pint per pound of hypochlorite. Spilled material may cause floor and contact surface slippery. Collect product for recovery or disposal. Contain discharge by constructing dykes or absorbent if release to land or storm water runoff.
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 29°C (84°F) and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
If swallowed, give 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

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THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE