



Machine Detergent

DESCRIPTION

Max Pax is a highly concentrated, chlorinated heavy-duty alkaline detergent specially formulated for automatic machine-washing of cutlery, dishes, glasses, pots and pans. As a dishwashing detergent packaged in a capsule, in soft to medium water hardness, it has no equal. *Max Pax* will provide exceptional results at a very realistic cost. The see through plastic capsule shows product levels at all times.

SPECIAL INFORMATION

Do not mix *Max Pax* with acid products (a toxic chlorine gas could result). *Max Pax* should not be used for manual cleaning.

DIRECTIONS

Dishwashing:

Max Pax is dispensed directly from the shipping container into the machine by the M-chem automatic detergent controller. Best results are achieved with the water temperature between 60 °C - 70 °C (140 °F -160 °F).

Please consult your M-chem representative for specific feeding recommendations to meet your particular needs.

PHYSICAL DATA

Appearance	Powder
Color	White
Foam	None
Odor	Mild, chlorine
pH (3.1%)	12.5 -13.5
Chlorine %	1.6 minimum

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **MAX PAX**

WHMIS CODE: E
 Proper Shipping Name: SODIUM HYDROXIDE, SOLID
 Hazard Class: Class 8, P.G. II
 UN Number: UN1823

Product Use: Chlorinated dishmachine detergent

HMIS	
3	Health
0	Flammability
0	Reactivity
B	Personal

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 Canada: Canutec 613-996-6666
 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 HYDROXIDE	1310-73-2	10.0-15.0	N/A	2 ppm
LD50 (oral rat) 340 mg/kg LD50 (dermal) 1350 mg/kg LC50 No Data				
SODIUM METASILICATE	6834-92-0	15.0-30.0	N/A	No Data
LD50 (oral rat) 1153 mg/kg LD50 (dermal) No Data LC50 No Data				
SODIUM CARBONATE	497-19-8	15.0-40.0	15 mg/m3	10 mg/m3
LD50 (oral rat) 1310 mg/kg LD50 (dermal) 2830 mg/kg LC50 No Data				
SODIUM DICHLOROISOCYANURATE	2893-78-9	1.0-5.0	No Data	No Data
LD50 (oral rat) 1400 mg/kg LD50 (dermal) 11,000 mg/kg LC50 Not Available				

SECTION 3 – PHYSICAL DATA

Color and Odor: White, slight chlorine odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 12.0-13.0 @ 3.1% solution.
Physical State: Powder. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** Powder.
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: Not Apply. **Sensitivity to Mechanical Impact:** None. **Conditions of Flammability:** None-flammable.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Extinguishing Media: Water, dry chemical, foam or carbon dioxide. Use extinguishing media suitable for surrounding fires.
Unusual Fire and Explosion Hazards: Decomposes at higher temperatures to produce toxic chlorine gases.
Hazardous Combustion Products: Decomposition may produce phosphorus oxides and toxic chlorine gases.
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, but can be unstable in the presence of excessive heat.
Hazardous Polymerization: Will not Occur.
Incompatibility (material to avoid): Strong acids, reducing agents, ammonia solutions, organic compounds, heavy metals (i.e. iron, lead, tin, etc.) and their salts.
Hazardous Decomposition Products: Phosphorus oxides and toxic chlorine gases upon thermal decomposition.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin and eye contact, inhalation.
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 may cause skin damage or dermatitis, respiratory disorder or lung damage.
Effects of Acute Exposure to Product: Product exposure may burn eyes and irritate or burn skin. Inhaling vapors or mists may cause respiratory discomfort such as breathing problems, burning, coughing, etc. Ingestion may cause gastrointestinal and abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Normally not required. However, use a NIOSH/MSHA approved dust respirator if product dust is generated.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Normally not required. Use natural or synthetic rubber gloves for handling.
Eye Protection: Safety goggles or glasses.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Store in a cool, dry place away from incompatible materials. Keep container closed when not in use. Do not mix with any other chemicals. Avoid contact with skin, eyes and clothing. Use good industrial hygiene. Store at temperatures below 30°C (86°F).
Disposal Procedures for Spills or Leaks: Wear protective equipment. Sweep up material and dispose of into a sealed, clean dry waste container. Keep material away from sewers.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Corrosive solid, basic, inorganic, N.O.S. (sodium hydroxide, sodium metasilicate). UN 3262, Class 8, PG II.

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 PHONE: 604-526-5655 LAST UPDATE: 07/04/11
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE