

Product Information

Swish

MAINTENANCE LIMITED
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MATERIAL SAFETY DATA SHEET

HMIS Hazard Rating

HEALTH	3	0 – Insignificant
FLAMMABILITY	0	1 – Slight
REACTIVITY	1	2 – Moderate
PERSONAL PROTECTION	B	3 – High
		4 – Extreme



Product Name: Optimax Mechanical Warewash Detergent

(7900)

Product Use: Machine Warewashing Detergent

Emergency Tel: Canutec (613) 996-6666

Hazardous Ingredients

NA = Not Available

NE = Not Established

Ingredients	CAS#	WT%	ACGIH-TLV	LD ₅₀	LC ₅₀
Sodium hydroxide	1310-73-2	10-30	2mg/m ³ TWA	500 mg/kg (Oral, Rat)	NA

Physical Data

Appearance and odour: Red; mild.
Vapour pressure (mm Hg): NE
Vapour density (Air=1): NE
Solubility in water (20°C): Soluble
Physical state: Liquid
Boiling point (°C): NE
Freezing point (°C): NE
Specific gravity (Water=1): 1.122
% Volatile (Wt %): >50
Evaporation rate (Water=1): NE
pH (as supplied): 13.50
Odour threshold (ppm): NE
Coefficient of water/oil distribution: NE
Viscosity: Water thin.

Fire and Explosion Data

Flammability: Not flammable
Flashpoint (°C, TCC): None
LEL: NE **UEL:** NE
Hazardous combustion products: May include and are not limited to ammonia, oxides of carbon and nitrogen.
Means of extinction: Dry chemical, carbon dioxide, alcohol foam.
Special fire hazards: Firefighters should wear self-contained breathing apparatus.
Explosion Data – sensitivity to mechanical impact: None.
Explosion Data – sensitivity to static discharge: None.

Reactivity Data

Conditions for chemical instability: Stable
Incompatible materials: Strong oxidizing agents, soft metals and strong acids.
Conditions of reactivity: NE
Hazardous decomposition products: May include and are not limited to oxides of carbon when heated to decomposition. Contact with aluminum or zinc generates hydrogen gas.

First Aid

Eye: Flush eyes with large amount of water for 15 minutes while holding eyelids open. If irritation occurs or persists, seek medical attention.
Skin: Wash skin with soap and water. If irritation develops, seek medical attention. Completely clean clothing, shoes and leather goods before reuse or discard.
Inhalation: If affected, remove to fresh air immediately. If symptoms persist, seek medical attention.
Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Contact a doctor. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

Preventive Measures

Gloves: Nitrile or rubber. Confirm with a reputable supplier first.
Eye protection: Safety glasses or chemical goggles.
Respiratory protection: Not normally required if good ventilation is maintained.
Other protective equipment: As required by employer code.
Engineering control: General ventilation normally adequate. Local exhaust for mists or fumes.
Leak and spill procedure: Before attempting clean up, consult MSDS. Small spills may be absorbed with non-reactive material absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Consult emergency services and supplier for advice.
Waste disposal: Review or contact local, provincial and federal authorities for disposal methods.
Storage & handling requirements: KEEP OUT OF REACH OF CHILDREN. Keep in a closed, labeled container. Store in a cool, dry, well-ventilated area away from incompatible materials.
Special shipping information: Do not freeze.

Toxicological Information

Route of Entry: Eye, Skin Contact, Inhalation, Ingestion
Effects of Acute Exposure:
Eye Contact: Corrosive. May cause severe irritation or chemical burns. May cause permanent damage if not treated promptly.

Skin Contact: Corrosive. May cause severe irritation or chemical burns. May cause permanent damage if not treated promptly.
Skin absorption: NE
Inhalation: May cause respiratory tract irritation and coughing, headache.
Ingestion: Corrosive. May cause chemical burns to mouth, throat and stomach. May cause permanent damage if not treated promptly.
Effects of Chronic Exposure:
Skin: Moderately irritating. Prolonged or repeated exposure may cause skin drying, defatting and dermatitis. Skin contact with product may not cause immediate pain.
Irritancy: Hazardous by WHMIS criteria.
Sensitization to product: None known.
Carcinogenicity: None known.
Teratogenicity, Mutagenicity, Reproductive effects: NE
Toxicological synergistic products: NA

Regulatory Information

TDG Pin/Class: Corrosive Liquid, Basic, Inorganic, N.O.S.
(Sodium hydroxide)
Class 8 UN 3266 PG II
WHMIS Class: E
SARA Title III: NE

Preparation Information

Prepared By: Charlotte Products Technical Services
Date: May 16, 2014 **Tel:** (705) 740-2880