

Product Information

Swish

MAINTENANCE LIMITED
P.O.Box 3000, Peterborough, Ontario Canada K9J 8N4
Telephone (705) 745-5763 1-800-461-7695

Product Name: Inn-Sync Hardwater Detergent

Product Use: Machine Warewashing Detergent

Emergency Tel: Canutec (613) 996-6666

Hazardous Ingredients

Ingredients

Sodium hydroxide

NA = Not Available

CAS#

1310-73-2

WT%

10-30

ACGIH-TLV

2mg/m³ TWA

HMIS Hazard Rating

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



(7200)

NE = Not Established

LD₅₀

500 mg/kg (Oral, Rat)

LC₅₀

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): 1.265

% Volatile (Wt %): 67

Evaporation rate (Water=1): NE

pH (as supplied): 13.25

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: NE

Explosion Data – sensitivity to static discharge: NE

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