

# SAFETY DATA SHEET

## Swish Delimer

63310



Swish Maintenance Ltd.

# 1

## IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

**Use of Preparation:** Chemical Descaler

**Company Identification:**

Swish Maintenance Ltd.  
2060 Fisher Dr. PO Box 3000  
Peterborough, ON  
K9J 8N4

**Company Emergency Telephone Number(s):**

Emergency Phone: 1-855-467-9474

**Transportation Emergency Telephone Number(s):**

CANUTEC 613-996-6666 or \* 666 for cell phone

# 2

## HAZARD IDENTIFICATION

**GHS Hazards:** Corrosive to Metals Category 1 H290  
Skin corrosion/irritation Category 1A H314  
Acute toxicity, inhalation Category 4 H332  
STOT, single exposure; Respiratory tract irritation Category 3 H335

**Hazard Pictograms :**



## GHS Label Elements, Including Precautionary Statement

**Signal Word:** DANGER

**Hazard Statements:** May be corrosive to metals.. Causes severe skin burns and eye damage.. Harmful if inhaled.. May cause respiratory irritation..

**Precautionary Statements:** Keep only in original container. Do not breathe fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse SKIN with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store in a closed container. Store locked up.

**Disposal:** Dispose of contents/container according to Local Provincial and Federal regulations

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Description:** Chemical Blend

Ingredient Name	CAS#	Classification	% by Wt
Hydrochloric Acid	7647-01-0	Corrosive to Metals Category 1 H290 Skin corrosion/irritation Category 1A H314 Serious eye damage/eye irritation Category 1 H318 Acute toxicity, inhalation Category 4 H332 STOT, single exposure; Respiratory tract irritation Category 3 H335	15-20

## 4 FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air. If symptoms persist, call a physician

**Eye Contact:** IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Consult a doctor immediately.

**Skin Contact:** Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse. If irritation persists seek medical attention

**Ingestion:** Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.

**Most Important Symptoms and Effects:** Severe burns to eyes, skin and respiratory tract.

**Notes to Physician:** Treatment based on judgment of attending physician.

## 5 FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media:** not known

**Special exposure hazards:** This product causes burns of eyes, skin and mucous membranes. Thermal decomposition may lead to release of irritating and toxic vapors. In the event of fire and/or explosion do not breathe fumes.

**Special safety equipment:** Self contained breathing apparatus and full protective clothing required for extinguishing fire.

Fire and explosion: None

Further information: None

## 6 ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Sections 7 and 8

### For Non-Emergency Personnel

**Protective Equipment:** Wear adequate personal protective equipment

**Emergency Procedures:** Wear adequate personal protective equipment

### For Emergency Personnel

**Protective Equipment:** Wear adequate personal protective equipment

**Emergency Procedures:** Wear adequate personal protective equipment

**Environmental Precautions:** Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or sewer systems.

### Methods and Material for Containment and Cleaning Up

**For Containment:** Soak up inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal

**Methods for Cleaning Up:** Contain spillage and then collect with noncombustible absorbent material(e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulation. Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

**Reference to Other Sections:** None

## 7 HANDLING AND STORAGE

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Avoid splashes or spray in enclosed areas. Ensure good ventilation/exhaustion at the workplace.

**Information about fire and explosion protection:** none

**Requirements to be met by storerooms and receptacles:** Keep container closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from incompatible materials such as alkalis, reducing and oxidizing agents, bleach and ammonia. Do not mix with any other chemicals

Information about storage in

one common storage facility: unknown

Further information about storage conditions: none

Specific end use: not applicable

## 8

### EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory protection:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limit are exceeded or if irritation or other symptoms are experienced.

**Hand protection:** Wear coveralls with long sleeves, gauntlets and gloves of PVC or neoprene. Vinyl disposable gloves, nitrile or natural rubber gloves can also be used.

**Eye protection:** Use chemical goggles and/or a full face shield.

**Skin protection:** Wear protective clothing, including boots or safety shoes with polyvinyl chloride (PVC) or neoprene. Wear coveralls with long sleeves, gauntlets and gloves of PVC or neoprene.

**Working hygiene:** Handle in accordance with good industrial hygiene and safety practices.

**Exposure Guidelines:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

TWA ppm:  
TWA mg\_m<sup>3</sup>:  
STEL ppm:  
STEL mg\_m<sup>3</sup>:

#### Hydrochloric Acid

no data available

no data available

## 9

### PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Appearance:** Clear, Lime Green

**Molecular Weight:** No Data Available

**Odour:** Pungent Odour

**Odour Threshold:** No Data Available

**pH:** <1

**Melting Point:** No Data Available

**Boiling Point:** >=212 F

**Flash Point:** No Data Available

**Evaporation Rate (BuAc=1):** No Data Available

**Flammable Limits in Air:** No Data Available

**Upper Flammability Limit:** No Data Available

**Lower Flammability Limit:** No Data Available

**Vapour Density (Air=1):** >1

**Vapour Pressure:** No Data Available

**Specific Gravity:** 1.08-1.10

**Solubility in Water:** Complete

**Log Pow (calculated):** No Data Available

**Autoignition Temperature:** No Data Available

**Decomposition Temperature:** No Data Available

<b>Viscosity:</b>	No Data Available
<b>Solubility in other Solvents:</b>	No Data Available
<b>Partition Coefficient:</b>	No Data Available
<b>n-octanol / Water:</b>	No Data Available
<b>Kinematic Viscosity:</b>	No Data Available
<b>Dynamic Viscosity:</b>	No Data Available
<b>Explosive Properties:</b>	No Data Available
<b>Percent Volatile by Volume:</b>	No Data Available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Normally stable.
<b>Chemical stability:</b>	Stable under recommended storage conditions
<b>Thermal decomposition conditions to avoid:</b>	not known
<b>Possibility of hazardous reactions:</b>	Will not occur
<b>Conditions to avoid:</b>	Unintentional contact with water and moisture. Keep containers tightly closed , when not in use.
<b>Hazardous decomposition products:</b>	CO or CO2. Toxic chlorine fumes
<b>Materials to avoid:</b>	Strong oxidizers, Ammonia, Chlorine, strong alkali materials, Aluminum
<b>Hazardous polymerization:</b>	none

## 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

**Acute toxicity:** No data available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Symptoms:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Mutagenic Effects:</b>	No data available
<b>Carcinogenicity:</b>	None of the ingredients are listed by IARC, ACGIH, NTP and OSHA as carcinogen
<b>Reproductive Toxicity:</b>	No data available
<b>STOT single exposure:</b>	Classified as specific target organ toxicant, single exposure, Category 3 with respiratory tract irritation
<b>STOT repeated exposure:</b>	not known
<b>Chronic Toxicity:</b>	May damage organs

**Target Organ Effects:** Respiratory Tract

**Aspiration hazard:** No data available

LD/LC50 values relevant for classification: None

**Listed Ingredients:**

Hydrochloric Acid	LD50 (oral) 700 mg/kg Rat LD50 (dermal) 5010 mg/kg Rabbit LC50 (inhalation) 3124 ppm (1-hour Rat)
-------------------	---

## 12 ECOLOGICAL INFORMATION

<b>Toxicity:</b>	This material is expected to be toxic to aquatic life. / LC50 862 mg/L (Orfe, golden (Leuciscus Idus))
<b>Persistence and Degradability:</b>	When released into the soil, this material is not expected to be biodegradable
<b>Bioaccumulative Potential:</b>	No Data Available
<b>Mobility in Soil:</b>	No Data Available
<b>Other Information:</b>	No Data Available
<b>Aquatic Toxicity:</b>	No Data Available
<b>Toxicity to algae, fish, invertebrates:</b>	No Data Available
<b>Biodegradation:</b>	No Data Available

## 13 DISPOSAL

<b>Waste Disposal Recommendations:</b>	Follow local, provincial, state and federal regulations.
<b>Ecology – Waste Materials:</b>	no data available
<b>Empty Containers:</b>	Triple rinse and dispose according to provincial, state and federal regulations

## 14 TRANSPORTATION INFORMATION

Department	Proper Shipping Name	Contains	Hazard Class	UN#	Packing Group
Canadian TDG (Road & Rail)	Hydrochloric Acid	Hydrochloric Acid	8	1789	II

**Please note:** This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific

circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

## 15 REGULATION

**OSHA/WHMIS 2015 Classification:** Corrosive to Metals and Eyes.

**California PROP 65:** no ingredients listed

**Cdn Domestic Substance List (DSL):** All Ingredients Listed

### HMIS III Rating

**Health:** 3  
**Flammability:** 0  
**Physical:** 1  
**Personal Protection:** H

## 16 OTHER INFORMATION

#### Prepared for:

Swish Maintenance Ltd.  
2060 Fisher Dr. PO Box 3000  
Peterborough, ON  
K9J 8N4  
705-745-5763

Issuing Date	Version#	Reason for Revision
Mar 3, 2016	1	

#### Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**End of Safety Data Sheet**