

SAFETY DATA SHEET

Zero Freezer Cleaner

63342



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IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Use of Preparation: Freezer Cleaner

Company Identification:

Swish Maintenance Ltd.
2060 Fisher Dr. PO Box 3000
Peterborough, ONON
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

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HAZARD IDENTIFICATION

GHS Hazards: Skin corrosion/irritation Category 3 H316
Serious eye damage/eye irritation Category 2B H320

Hazard Pictograms :

GHS Label Elements, Including Precautionary Statement

Signal Word: Warning

Hazard Statements: Causes mild skin irritation. Causes eye irritation.

Precautionary Statements: Wash thoroughly after handling.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SKIN irritation occurs: Get medical advice/attention. IF eye irritation persists: Get medical advice/attention.

COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Description: Chemical Blend

Ingredient Name	CAS#	Classification	% by Wt
Propylene Glycol	57-55-6	not classified as hazardous	30-70
Ethylene Glycol Monobutyl Ether	111-76-2	Flammable liquids Category 4 H227 Acute toxicity,oral Category 4 H302 Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 2A H319 Aspiration hazard Category 1 H304	3-7

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FIRST AID MEASURES

Inhalation:	Remove victim to fresh air. If symptoms persist, call a physician. Moderately irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation, or if inhaled as a mist. Excessive exposure may cause irritation to upper respiratory tract. Nose and Throat). Ethylene Glycol butyl ether: In humans, symptoms may include headache. In animal, effects have been reported to the following organs: Blood (hemolysis), secondary effects to the kidney and liver. Human red blood cells have shown to be significantly less sensitive to hemolysis than those of rabbits or rats.
Eye Contact:	Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists get medical attention. Contact can result in corneal damage or blindness.
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:	no available data
Notes to Physician:	Treatment based on judgment of attending physician.

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FIRE FIGHTING MEASURES

Suitable extinguishing media:	As appropriate for burning of surrounding products
Unsuitable extinguishing media:	No data available
Special exposure hazards:	No data available
Special safety equipment:	Fire-fighters should wear chemical-resistant clothing (for example, chemical splash suit) and

positive pressure self-contained breathing apparatus, approved by NIOSH/MSHA.

Fire and explosion:

Not considered to be a fire or explosive hazard

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:

Use appropriate personal protection equipment (PPE).

Emergency Procedures:

Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment:

Equip cleanup crew with proper protection.

Emergency Procedures:

Stop leak if safe to do so. Ventilate area.

Environmental Precautions:

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and Material for Containment and Cleaning Up

For Containment:

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

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. For small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Reference to Other Sections:

See Heading 8. Exposure controls and personal protection.

7 HANDLING AND STORAGE

Precautions for safe handling:

Wash thoroughly after handling. Wear proper protective equipment Avoid contact with skin, eyes and clothing. Do not ingest or inhale.

Information about fire and explosion protection:

No special measures required.

Requirements to be met by storerooms and receptacles:

Store in a cool and dry location. Keep away from incompatible materials , (see section 10) Keep

container closed in a dry and well-ventilated place.

Information about storage in one common storage facility:

Store away from foodstuffs. Store in a cool, dry area. Keep away from incompatible materials, (see Sect. 10)

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Specific end use:

No further relevant information available.

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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:

Rubber, butyl rubber or neoprene gloves are recommended if skin contact might occur.

Eye protection:

Chemical goggles recommended.

Skin protection:

As required by workplace standards.

Working hygiene:

Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

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_m³:
STEL ppm:
STEL mg_m³:

Ethylene Glycol Monobutyl Ether
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PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Clear blue liquid
Molecular Weight:	No Data Available
Odour:	solvent
Odour Threshold:	No Data Available
pH:	7.5-8.5
Melting Point:	No Data Available
Boiling Point:	No Data Available
Flash Point:	62 deg C estimate
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):	No Data Available
Vapour Pressure:	No Data Available
Specific Gravity:	1.01-1.03
Solubility in Water:	Complete

Log Pow (calculated):	No Data Available
Autoignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Viscosity:	as Water
Solubility in other Solvents:	No Data Available
Partition Coefficient:	No Data Available
n-octanol / Water:	No Data Available
Kinematic Viscosity:	No Data Available
Dynamic Viscosity:	No Data Available
Explosive Properties:	No Data Available
Percent Volatile by Volume:	No Data Available

10 STABILITY AND REACTIVITY

Reactivity:	Normally stable.
Chemical stability:	Stable under recommended handling and storage conditions (see section 7).
Thermal decomposition conditions to avoid:	Contact with product acids may generate heat.
Possibility of hazardous reactions:	Will not occur
Conditions to avoid:	Excess heat, moist air, incompatible materials, ignition sources.
Hazardous decomposition products:	Carbon monoxide and dioxide
Materials to avoid:	Strong acids, Aluminum
Hazardous polymerization:	none

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:	see below
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms:	Moderately irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation, or if inhaled as a mist. Excessive exposure may cause irritation to upper respiratory tract. Nose and Throat). Ethylene Glycol butyl ether: In humans, symptoms may include headache. In animal, effects have been reported to the following organs: Blood (hemolysis), secondary effects to the kidney and liver. Human red blood cells have shown to be significantly less sensitive to hemolysis than those of rabbits or rats.
Sensitization:	No sensitizing effects known
Mutagenic Effects:	No Data Available
Carcinogenicity:	No Data Available

Reproductive Toxicity:	No Data Available
STOT single exposure:	No Data Available
STOT repeated exposure:	No Data Available
Chronic Toxicity:	Ethylene Glycol butyl ether: In long term animal studies, small but significant increases in tumors were observed in mice but not rats. The effects are not believed to be relevant to humans, If the material is handled in accordance to proper industrial handling, exposures should not pose a carcinogenic risk to man. Has been toxic to the fetus in lab animals at doses toxic to the mother. In animal studies, effects on reproduction have only been seen at doses that produced significant toxicity to the parent animal
Target Organ Effects:	No data available
Aspiration hazard:	no data available
LD/LC50 values relevant for classification: None	

Listed Ingredients:

Propylene Glycol	LD50 (oral) > 5000 mg/kg Rat LD50 (dermal) > 2000 mg/kg Rabbit LC50 (inhalation) >20 mg/L 4 hrs Rabbit
Ethylene Glycol Monobutyl Ether	LD 50 (oral) 1,300 mg/kg Rat LD 50 (oral) 1,400 mg/kg GuineaPig LD 50 (dermal) >2000 mg/kg Rat LC 50 (inhalation) >4.9 mg/L (Rat, 3h)

12 ECOLOGICAL INFORMATION

Toxicity:	No Data Available
Persistence and Degradability:	No Data Available
Bioaccumulative Potential:	No Data Available
Mobility in Soil:	No Data Available
Other Information:	No Data Available
Aquatic Toxicity:	No Data Available
Toxicity to algae, fish, invertebrates:	No Data Available
Biodegradation:	No Data Available

13 DISPOSAL

Waste Disposal Recommendations:	Dispose of waste material in accordance with all local, regional, national, and international regulations.
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Ecology – Waste Materials:

Avoid release to the environment.

Empty Containers:

Reuse if possible or triple rinse and dispose according to local, provincial, state and federal regulations

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TRANSPORTATION INFORMATION

Department	Proper Shipping Name	Contains	Hazard Class	UN#	Packing Group
Canadian TDG (Road & Rail)	Not Regulated				

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.

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REGULATION**OSHA/WHMIS 2015 Classification:**

Mild Eye and Skin Irritant

California PROP 65:

This product contains the following Proposition 65 chemicals: NONE

Cdn Domestic Substance List (DSL):

All Ingredients Listed

HMIS III Rating**Health:****Flammability:****Physical:****Personal Protection:**

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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
May 10, 2017	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