

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: FREEZER CLEANER **Date of Revision:** April 16, 2018
Product Code: G691
Other Name(s):
Distributed By:
Recommended Use and Restrictions on Use: freezer cleaner
Manufactured By: Ostrem Chemical Co. Ltd. Phone: 780-440-1911
2310 - 80th Avenue NW In Case of Emergency Only, Phone
Edmonton, Alberta, Canada T6P 1N2 CANUTEC: 613-996-6666
www.ostrem.com

2. HAZARDS IDENTIFICATION

Classification of the Mixture: Flammable Liquids - Category 2
Acute Toxicity, Oral - Category 3
Acute Toxicity, Dermal - Category 3
Acute Toxicity, Inhalation - Category 3
Specific Target Organ Toxicity (Single Exposure) - Category 1

Label Elements:

Hazard Pictogram(s):



Signal Word: DANGER

Hazard Statement(s): Highly flammable liquid and vapour.
Toxic if swallowed.
Toxic if in contact with skin.
Toxic if inhaled.
Causes damage to organs (eyes and central nervous system).

Precautionary Statement(s):

Prevention: Use only outdoors or in a well-ventilated area.
Do not breathe fumes or vapours.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves, protective clothing, and eye/face protection.

Response: IF SWALLOWED: Call a poison centre or physician.
Rinse mouth.
IF ON SKIN: Wash with plenty of water.
Call a poison centre or physician if you feel unwell.
Take off immediately all contaminated clothing and wash it before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison centre or physician.
If exposed or concerned: Call a poison centre or physician.

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

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Physical/health hazards not otherwise classified:
not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Safety Data Sheet

<u>Chemical Name</u>	<u>Conc.</u>	<u>CAS #</u>	<u>Common Names</u>
ethylene glycol monobutyl ether	3 - 7%	111-76-2	2-butoxy ethanol, glycol ether EB
methanol	80 - 100%	67-56-1	methyl alcohol

4. FIRST-AID MEASURES

Necessary Measures:

IF SWALLOWED: Call a poison centre or physician.

Rinse mouth.

IF ON SKIN: Wash with plenty of water.

Call a poison centre or physician if you feel unwell.

Take off immediately all contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a poison centre or physician.

If exposed or concerned: Call a poison centre or physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

Most important symptoms, both acute and delayed:

Toxic if swallowed.

Toxic if in contact with skin.

Toxic if inhaled.

Causes damage to organs (eyes and central nervous system).

Indication of immediate medical attention and special treatment needed, if necessary:

not applicable

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical (e.g.: hazardous combustion products):

May liberate carbon monoxide, carbon dioxide.

Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See section 8.

Environmental precautions:

Prevent from entering sewers, waterways or low areas.

Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Precautions for safe handling:

Use only outdoors or in a well-ventilated area.

Do not breathe fumes or vapours.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep cool.

Keep container tightly closed.

Store locked up.

Safety Data Sheet

Keep out of reach of children. Store in a cool, dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters - Exposure limits:

Ingredient:

ethylene glycol monobutyl ether
methanol

Limit:

ACGIH TWA: 20 ppm
ACGIH TWA: 200 ppm
STEL: 250 ppm

Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

Other protection:

Wear protective gloves, protective clothing, and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc.):	clear, blue liquid
Odour:	methanol odour
Odour threshold:	not available
pH:	not available
Melting/Freezing point:	-97.8 C
Initial boiling point and range:	not available
Flash point:	12 C
Evaporation rate:	not available
Flammability (solid, gas):	not available
Upper/lower flammability or explosive limits:	not available
Vapour pressure:	not available
Vapour density:	not available
Relative density (specific gravity):	0.815
Solubility(ies):	complete
Partition co-efficient: n-octanol/water:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	not available

10. STABILITY AND REACTIVITY

Reactivity:

This material is considered to be non-reactive under normal use conditions.

Chemical stability:

Stable.

Possibility of hazardous reactions:

not available

Conditions to avoid (e.g.: static discharge, shock or vibration):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible materials:

Oxidizers

Hazardous decomposition products:

not available

11. TOXICOLOGICAL INFORMATION

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation: Toxic if inhaled.

Ingestion: Toxic if swallowed.

Safety Data Sheet

Eye contact: May cause eye irritation.
Skin contact: Toxic if in contact with skin.
Skin absorption: not available

POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation: not available
Ingestion: not available
Eye contact: not available
Skin contact: not available
Skin absorption: not available

Mutagenicity: not available
Carcinogenicity: This information, if applicable, can be found in Section 2.
Reproductive toxicity: This information, if applicable, can be found in Section 2.
Sensitization of product: This information, if applicable, can be found in Section 2.
Specific Target Organ Toxicity - single exposure: This information, if applicable, can be found in Section 2.
Specific Target Organ Toxicity - repeated exposure: This information, if applicable, can be found in Section 2.

Toxicological Data:

Ingredient:
ethylene glycol monobutyl ether

methanol

Data:
Oral LD50: 745 mg/kg (rat)
Dermal LD50: 1250 mg/kg (rat)
Oral LD50: 100 mg/kg (rat)
Inhalation LC50: 5 mg/L (rat)
Dermal LD50: 300 mg/kg (rabbit)

Other Toxicological Information on Ingredients:

ethylene glycol monobutyl ether

Chronic Effects: Organic solvents may be absorbed into the body by inhalation and ingestion and cause permanent damage to the nervous system, including the brain. Risk of damage to blood system. May cause damage to the liver and kidneys. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Reproductive effects: Possible risk of harm to the unborn child. Possible risk of impaired fertility. Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available): not available
Persistence and degradability: not available
Bioaccumulative potential: not available
Mobility in soil: not available
Other adverse effects: not available
Ecological Information on Ingredients: not available

13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG classification: UN 1230; METHANOL; CLASS 3 (6.1); PG II

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., Ph.: 780-440-1911

Safety Data Sheet

Date of Preparation: January 27, 2017

Date of Revision: April 16, 2018

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Ostrem Chemical Co. Ltd.

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