

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: POWER FLUSH **Date of Revision:** M
Product Code: G680
Other Name(s): not applicable
Distributed By: HADDON HOLDINGS LIMITED
Recommended Use and Restrictions on Use: not available
Manufactured By: Ostrem Chemical Co. Ltd. **Phone/Emergency F**
2310 - 80th Avenue NW **780-440-1911**
Edmonton, Alberta, Canada T6P 1N2 **Mon. - Fri. 8:00am -**
www.ostrem.com

2. HAZARDS IDENTIFICATION

Classification of the Mixture: Serious Eye Damage/Irritation - Category 1
Skin Corrosion/Irritation - Category 1

Label Elements:

Hazard Pictogram(s):



Signal Word: DANGER

Hazard Statement(s): Causes serious eye damage.
Causes severe skin burns and eye damage.

Precautionary Statement(s):

Prevention: Do not breathe dusts or mists.
Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, and eye/face protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a p
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse sk
contaminated clothing before reuse. Immediately call a poison centre or phys
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
centre or physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
to do. Continue rinsing. Immediately call a poison centre or physician.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/inten

Physical/health hazards not otherwise classified:

not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc. w/w</u>	<u>CAS #</u>	<u>Common I</u>
ethoxylated alcohol blend	1 - 5%	68439-46-3	
ethylene glycol monobutyl ether	3 - 7%	111-76-2	2-butoxy ε
sodium hydroxide	3 - 7%	1310-73-2	caustic so
sodium metasilicate (58%)	3 - 7%	6834-92-0	

4. FIRST-AID MEASURES

Necessary Measures:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash before reuse. Immediately call a poison centre or physician.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and continue rinsing. Immediately call a poison centre or physician.

Most important symptoms, both acute and delayed:

Causes serious eye damage.

Causes severe skin burns and eye damage.

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 and oxides of sodium.

Special protective equipment and precautions for firefighters:

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

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 seal in suitable containers.

Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up with inert absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Precautions for safe handling:

Do not breathe dusts or mists.

Wash hands thoroughly after handling.

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

Conditions for safe storage, including any incompatibilities:

Store locked up.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters - Exposure limits:

Ingredient:

ethoxylated alcohol blend

ethylene glycol monobutyl ether

sodium hydroxide

Limit:

not available

ACGIH TWA: 20 ppm

ACGIH: 2 mg/m³

sodium metasilicate (58%)

not available

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.):	green liquid
Odour:	lemon scent
Odour threshold:	not available
pH:	1% solution: 7.0
Melting/Freezing point:	not available
Initial boiling point and range:	not available
Flash point:	not applicable
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):	1.065
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):

not applicable

Incompatible materials:

Oxidizers / Acid

Hazardous decomposition products:

not available

11. TOXICOLOGICAL INFORMATION

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Eye contact:	Causes serious eye damage.
Skin contact:	Causes severe skin burns and eye damage.
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 the SDS.

Reproductive toxicity: This information, if applicable, can be found in the SDS.

Sensitization of product: This information, if applicable, can be found in the SDS.

Specific Target Organ Toxicity - single exposure: This information, if applicable, can be found in the SDS.

Specific Target Organ Toxicity - repeated exposure: This information, if applicable, can be found in the SDS.

Toxicological Data:

Ingredient:

ethoxylated alcohol blend

ethylene glycol monobutyl ether

sodium hydroxide

sodium metasilicate (58%)

Data:

Oral LD50: 1378 mg/kg (rat)

Oral LD50: 745 mg/kg (rat)

Dermal LD50: 1250 mg/kg (rat)

not available

Oral LD50: 1153 mg/kg (rat)

Other Toxicological Information on Ingredients:

ethylene glycol monobutyl ether

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

Reproductive effects: Possible risk of harm to the unborn child. Possible risk of impaired fertility. (This product has 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 1760; CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, DISODIUM TETRAPHOSPHATE); CLASS 8; PG II

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulation. 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

Date of Preparation: March 09, 2023

Date of Revision: March 09, 2023

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

End of Document

POWER FLUSH

[Redacted]

March 09, 2023

Phone:

4:30pm MT

[Redacted]

poison centre or physician.

rinse with water. Wash

eyes with water.

Immediately call a poison

center if present and easy

to follow national regulations.

[Redacted]

Names

ethanol, glycol ether EB

data

[Redacted]

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