

# Safety Data Sheet

## 1. IDENTIFICATION

**Product Identifier:** GUN WASH **Date of Revision:** January 31, 2018  
**Product Code:** D522  
**Other Name(s):**  
**Distributed By:**  
**Recommended Use and Restrictions on Use:** cleaning  
**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:** Eye Damage/Irritation - Category 1  
Skin Corrosion/Irritation - Category 1

**Label Elements:**

**Hazard Pictogram(s):**



**Signal Word:** DANGER

**Hazard Statement(s):** 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 poison centre or physician.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately 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. Immediately call a poison centre or physician.

**Storage:** 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

| <u>Chemical Name</u> | <u>Conc.</u> | <u>CAS #</u> | <u>Common Names</u> |
|----------------------|--------------|--------------|---------------------|
| monoethanolamine     | 15 - 40%     | 141-43-5     |                     |
| propylene glycol     | 5 - 10%      | 57-55-6      |                     |

## 4. FIRST-AID MEASURES

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## 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 contaminated clothing before reuse. Immediately call a poison centre or physician.

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

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:

monoethanolamine

#### Limit:

ACGIH TWA: 6 ppm

ACGIH STEL: 6 ppm

propylene glycol

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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                |
|---|----------------|
| Appearance (physical state, colour etc.):     | clear liquid   |
| Odour:  | slight odour   |
| Odour threshold:                              | not available  |
| pH:   | 11.3           |
| 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):          | 1.044          |
| 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:

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 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. |

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## Toxicological Data:

### Ingredient:

monoethanolamine  
propylene glycol

### Data:

Oral LD50: 1089 mg/kg (rat)  
not available

## Other Toxicological Information on Ingredients:

## 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 2491; ETHANOLAMINE; CLASS 8; PG III

## 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

**Date of Preparation:** January 23, 2017

**Date of Revision:** January 31, 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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