

## Greer Liquid Laundry Detergent

### SECTION 1. IDENTIFICATION

|                            |  |
|----------------------------|--|
| <b>Product Identifier</b>  | Greer Liquid Laundry Detergent   |
| <b>Recommended Use</b>     | Detergent.   |
| <b>Restrictions on Use</b> | Commercial and industrial use only.  |
| <b>Manufacturer</b>        | W.E. Greer Ltd., 14704 - 119 Avenue, Edmonton, AB, T5L 2P1, 780-451-1516,<br>www.wegreer.com |
| <b>Emergency Phone No.</b> | CANUTEC, 1-888-226-8832, You can call *666 on your cellular phone                            |

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Skin corrosion - Category 1; Serious eye damage - Category 1

#### Label Elements



Signal Word:  
Danger

#### Hazard Statement(s):

Causes severe skin burns and eye damage.  
Causes serious eye damage.

#### Precautionary Statement(s):

##### Prevention:

Wear protective gloves/eye protection/face protection.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.

##### Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get immediate medical advice/attention.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
Get immediate medical advice/attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Get medical advice/attention if you feel unwell.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Get immediate medical advice/attention.

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

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                           | CAS No.   | %           | Other Identifiers |
|---|-----------|-------------|-------------------|
| Trisodium nitrilotriacetate             | 5064-31-3 | 0.02%       |                   |
| Sodium hydroxide                        | 1310-73-2 | 0.02%-0.04% |                   |
| Glycolic acid, monosodium salt          | 2836-32-0 | 0.07%       |                   |
| Tetrasodium pyrophosphate               | 7722-88-5 | 0.2%        |                   |
| Tetrasodium ethylenediaminetetraacetate | 64-02-8   | 0.86%-0.91% |                   |
| Sodium Metasilicate                     | 6834-92-0 | 1.1%-2.2%   |                   |
| Sodium tripolyphosphate                 | 7758-29-4 | 3.2%        |                   |
| Sodium carbonate                        | 497-19-8  | 7.5%        |                   |

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air.

##### Skin Contact

Wash with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Obtain medical advise immediately.

##### Eye Contact

Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

##### Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Immediately call a Poison Centre or doctor. Specific treatment is required.

##### First-aid Comments

Symptoms may be delayed. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### Specific Hazards Arising from the Product

May include but is not limited to: very toxic carbon monoxide, carbon dioxide; corrosive phosphorous oxides.

#### Special Protective Equipment and Precautions for Fire-fighters

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

#### Environmental Precautions

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Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Dike spilled product to prevent runoff. Contact emergency services and manufacturer/supplier for advice.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Only use where there is adequate ventilation. Avoid breathing in this product. General hygiene considerations: wash hands thoroughly after handling this material. Keep containers tightly closed when not in use or empty.

### Conditions for Safe Storage

Store in a closed container. Keep away from incompatible materials. Keep out of reach of children.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Chemical Name               | ACGIH TLV®      |         | OSHA PEL        |         | AIHA WEEL |     |
|-----------------------------|-----------------|---------|-----------------|---------|-----------|-----|
|                             | TWA             | STEL    | TWA             | Ceiling | 8-hr TWA  | TWA |
| Sodium carbonate            | Not established |         | Not established |         |           |     |
| Tetrasodium pyrophosphate   | Not established |         | 5 mg/m3         |         |           |     |
| Sodium tripolyphosphate     | Not established |         | Not established |         |           |     |
| Sodium Metasilicate         | Not established |         | Not established |         |           |     |
| Sodium hydroxide            |                 | 2 mg/m3 |                 |         |           |     |
| Trisodium nitrilotriacetate | Not established |         | Not established |         |           |     |

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Where exposure guidelines may be exceeded: wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|                              |                          |
|------------------------------|--------------------------|
| Appearance                   | Light amber liquid.      |
| Odour                        | Citrus                   |
| Odour Threshold              | Not available            |
| pH                           | 12.10                    |
| Melting Point/Freezing Point | Not available (freezing) |
| Initial Boiling Point/Range  | Not available            |

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|   |                         |
|---|-------------------------|
| <b>Flash Point</b>                                      | Not available           |
| <b>Evaporation Rate</b>                                 | Not available           |
| <b>Flammability (solid, gas)</b>                        | Not available           |
| <b>Vapour Pressure</b>                                  | Not available           |
| <b>Vapour Density (air = 1)</b>                         | Not available           |
| <b>Relative Density (water = 1)</b>                     | 1.148                   |
| <b>Solubility</b>                                       | Not available in water  |
| <b>Partition Coefficient, n-Octanol/Water (Log Kow)</b> | Not available           |
| <b>Auto-ignition Temperature</b>                        | Not available           |
| <b>Viscosity</b>  | Not available (dynamic) |
| <b>Other Information</b>                                |                         |
| <b>Physical State</b>                                   | Liquid                  |
| <b>Other Physical Property 1</b>                        | Percent Volatile: 80.4  |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Do not mix with anything but water.

### Chemical Stability

Stable under recommended storage conditions.

### Conditions to Avoid

Do not mix with other chemicals.

### Incompatible Materials

Organic acids (e.g. acetic acid), inorganic acids (e.g. hydrofluoric acid), strong acids (e.g. hydrochloric acid), oxidizing agents (e.g. peroxides).

### Hazardous Decomposition Products

Corrosive phosphorous oxides; very toxic carbon monoxide, carbon dioxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

| Chemical Name             | LC50   | LD50 (oral)        | LD50 (dermal)         |
|---------------------------|--|--------------------|-----------------------|
| Sodium carbonate          | 1150 mg/m <sup>3</sup> (male rat)<br>(4-hour exposure) | 2800 mg/kg (rat)   | > 2000 mg/kg (rabbit) |
| Tetrasodium pyrophosphate |  | > 4000 mg/kg (rat) |                       |
| Sodium tripolyphosphate   |  | 6500 mg/kg (rat)   |                       |
| Sodium Metasilicate       |  | 600 mg/kg (rat)    |                       |

### Skin Corrosion/Irritation

May burn the skin. Permanent scarring may result.

### Serious Eye Damage/Irritation

May irritate or burn the eyes. Permanent damage including blindness may result.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause nose and throat irritation, lung injury.

#### Ingestion

Harmful If small amounts are swallowed severe irritation or burns to the mouth, throat and stomach.

## STOT (Specific Target Organ Toxicity) - Repeated Exposure

Non-hazardous by WHMIS criteria.

## Respiratory and/or Skin Sensitization

Non-hazardous by WHMIS criteria.

## Carcinogenicity

Non-hazardous by WHMIS criteria.

## Reproductive Toxicity

### Development of Offspring

Non-hazardous by WHMIS criteria.

### Sexual Function and Fertility

Non-hazardous by WHMIS criteria.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute Aquatic Toxicity

| Chemical Name                           | LC50 Fish   | EC50 Crustacea  | ErC50 Aquatic Plants | ErC50 Algae |
|---|---|---|----------------------|-------------|
| Sodium carbonate                        | 300 mg/L (Lepomis macrochirus (bluegill); 96-hour; fresh water; static) | 228 mg/L (Daphnia magna (water flea))                         |                      |             |
| Tetrasodium ethylenediaminetetraacetate | 486 mg/L (Lepomis macrochirus (bluegill); 96-hour; static)              | 19000 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour) |                      |             |

### Persistence and Degradability

No information was located.

### Bioaccumulative Potential

No information was located.

### Mobility in Soil

No information was located.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## SECTION 14. TRANSPORT INFORMATION

| Regulation   | UN No. | Proper Shipping Name  | Transport Hazard Class(es) | Packing Group |
|--------------|--------|---|----------------------------|---------------|
| Canadian TDG | 3266   | Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium carbonate) | 8                          | III           |

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

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Canada

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

Listed on the NDSL.

**SECTION 16. OTHER INFORMATION**

**NFPA Rating**                      **Health - 3**      **Flammability - 0**      **Instability - 0**

**SDS Prepared By**              W.E. Greer Ltd.

**Date of Preparation**          August 02, 2016

**Date of Last Revision**        August 02, 2016

**Disclaimer**                      Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Danger

Hazard Statement(s):  
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Causes serious eye damage.

Precautionary Statement(s):

Prevention:  
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Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.

Response:  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get immediate medical advice/attention.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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