

# SAFETY DATA SHEET



Revision Date 30-Jun-2015  
Version 2.02

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name Red X It  
Product code LG-F1160-CS

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Professional Textile Cleaning  
Restrictions on use Professional Use Only

### 1.3 Details of the supplier of the safety data sheet

Supplier Legend Brands  
Chemspec  
15180 Josh Wilson Road  
Burlington, WA 98233  
800-932-3030

E-mail Address msds@chemspecworld.com

### 1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

|                                   |            |
|-----------------------------------|------------|
| Serious eye damage/eye irritation | Category 1 |
|-----------------------------------|------------|

### 2.2 Label elements

#### Signal Word

Danger

#### Hazard Statements

Causes serious eye damage



**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection

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 CENTER or doctor/physician

**2.3. Other Hazards Hazards not otherwise classified (HNOC)**

Not Applicable

**2.4 Other information**

Not Applicable

**Unknown Acute Toxicity** 13.4102% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/Information on Ingredients****Substance**

| Chemical Name        | CAS-No    | Weight % |
|----------------------|-----------|----------|
| SODIUM METABISULFITE | 7681-57-4 | 10 - 20  |
| METHANOL             | 67-56-1   | < 1      |

**4. First aid measures****4.1 Description of first-aid measures**

|                       |  |
|-----------------------|--|
| <b>General advice</b> | When symptoms persist or in all cases of doubt seek medical advice.  |
| <b>Eye contact</b>    | Remove contact lenses. Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention.   |
| <b>Skin contact</b>   | Wash off immediately with soap and plenty of water. Use a mild soap if available.  |
| <b>Inhalation</b>     | Move to fresh air. Get medical attention immediately if symptoms occur.  |
| <b>Ingestion</b>      | Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Gently wipe or rinse the inside of the mouth with water. Get medical attention. |

**4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms** See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician** Treat symptomatically.

**5. Fire-Fighting Measures****5.1 Extinguishing media****Suitable extinguishing media**Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

**Small Fires** Dry chemical or CO<sub>2</sub>.

**Large Fires** Alcohol type or all purpose foam.

**Unsuitable Extinguishing Media** High volume water jet.

**5.2 Special hazards arising from the substance or mixture****Special Hazard**

Hazardous decomposition products formed under fire conditions

**Hazardous Combustion Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).**Explosion Data****Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** Yes.**5.3 Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment.

**6.2 Environmental precautions**

Prevent product from entering drains. Do not allow material to contaminate ground water system. See Section 12 for additional Ecological information.

**6.3 Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

## 7. Handling and storage

**7.1 Precautions for safe handling**

**Advice on safe handling** Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas.

**Hygiene measures** When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from frost.

**Materials to Avoid** Metals.

## 8. Exposure controls/personal protection

**8.1 Occupational Exposure Limits (OEL)**

| Chemical Name                     | ACGIH TLV                           | OSHA PEL                                   | British Columbia                      | Alberta  | Quebec   | Ontario TWAEV                         |
|-----------------------------------|-------------------------------------|--|---------------------------------------|--|--|---------------------------------------|
| SODIUM METABISULFITE<br>7681-57-4 | TWA: 5 mg/m <sup>3</sup>            | -  | TWA: 5 mg/m <sup>3</sup>              | TWA: 5 mg/m <sup>3</sup>   | TWA: 5 mg/m <sup>3</sup>   | TWA: 5 mg/m <sup>3</sup>              |
| METHANOL<br>67-56-1               | STEL: 250 ppm<br>TWA: 200 ppm<br>S* | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup> | TWA: 200 ppm<br>STEL: 250 ppm<br>Skin | TWA: 200 ppm<br>TWA: 262 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 328 mg/m <sup>3</sup> | TWA: 200 ppm<br>TWA: 262 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 328 mg/m <sup>3</sup> | TWA: 200 ppm<br>STEL: 250 ppm<br>Skin |

|  |  |  |  |      |      |  |
|--|--|--|--|------|------|--|
|  |  |  |  | Skin | Skin |  |
|--|--|--|--|------|------|--|

## 8.2 Appropriate engineering controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

## 8.3 Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and body protection** Protective gloves. Long sleeved clothing.

**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene measures** See section 7 for more information

# 9. Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

**Physical state** Liquid

**Appearance** Clear liquid

**Color** Colorless

**Odor** Sulfur

**Odor Threshold** No information available

| <u>Property</u>                     | <u>Values</u>    | <u>Remarks • Methods</u> |
|-------------------------------------|------------------|--------------------------|
| <b>pH</b>                           | 5.2              |                          |
| <b>Melting/freezing point</b>       |                  | No information available |
| <b>Boiling point/boiling range</b>  |                  | No information available |
| <b>Flash Point</b>                  | Not Determined   |                          |
| <b>Evaporation rate</b>             |                  | No information available |
| <b>Flammability (solid, gas)</b>    |                  | No information available |
| <b>Flammability Limits in Air</b>   |                  |                          |
| upper flammability limit            |                  | No information available |
| lower flammability limit            |                  | No information available |
| <b>Vapor pressure</b>               |                  | No information available |
| <b>Vapor density</b>                |                  | No information available |
| <b>Specific Gravity</b>             | 1.08             |                          |
| <b>Water solubility</b>             | Soluble in water |                          |
| <b>Solubility in other solvents</b> |                  | No information available |
| <b>Partition coefficient</b>        |                  | No information available |
| <b>Autoignition temperature</b>     |                  | No information available |
| <b>Decomposition temperature</b>    |                  | No information available |
| <b>Viscosity, kinematic</b>         |                  | No information available |
| <b>Viscosity, dynamic</b>           |                  | No information available |
| <b>Explosive properties</b>         |                  | No information available |
| <b>Oxidizing Properties</b>         |                  | No information available |

## 9.2 Other information

**Volatile organic compounds (VOC) content** Negligible

# 10. Stability and Reactivity

## 10.1 Reactivity

No data available

## 10.2 Chemical stability

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

None under normal processing.

**10.4 Conditions to Avoid**

Protect from frost, heat and sunlight.

**10.5 Incompatible Materials**

Metals.

**10.6 Hazardous Decomposition Products**

None known.

## 11. Toxicological information

**11.1 Acute toxicity**

Numerical measures of toxicity: Product Information

The following values are calculated based on chapter 3.1 of the GHS document

**Unknown Acute Toxicity** 13.4102% of the mixture consists of ingredient(s) of unknown toxicity

|                  |                |
|------------------|----------------|
| <b>Oral LD50</b> | 4,193.00 mg/kg |
| <b>Mist</b>      | 86.76 mg/l     |

Numerical measures of toxicity: Component Information

| Chemical Name                     | LD50 Oral          | LD50 Dermal | LC50 Inhalation         |
|-----------------------------------|--------------------|-------------|-------------------------|
| SODIUM METABISULFITE<br>7681-57-4 | 1310 mg/kg ( Rat ) | -           | -                       |
| METHANOL<br>67-56-1               | 6200 mg/kg ( Rat ) | -           | = 22500 ppm ( Rat ) 8 h |

**11.2 Information on toxicological effects****Skin corrosion/irritation**

Product Information

- No information available

Component Information

- No information available

**Eye damage/irritation**

Product Information

- No information available

Component Information

- No information available

**Respiratory or skin sensitization**

Product Information

- No information available

Component Information

- No information available

**Germ Cell Mutagenicity**

Product Information

- No information available

Component Information

- No information available

**Carcinogenicity**Product Information

- No information available

Component Information

- 

**Reproductive toxicity**Product Information

- No information available

Component Information

- No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

No information available

**Other adverse effects**Target Organs

- Eyes
- Respiratory system
- Skin

Product Information

- No information available

Component Information

- No information available

**Aspiration hazard**Product Information

- No information available

Component Information

- No information available

## 12. Ecological information

**12.1 Toxicity****Ecotoxicity**

No information available

18.1009430881 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

| Chemical Name                     | Toxicity to algae   | Toxicity to fish  | Toxicity to daphnia and other aquatic invertebrates |
|-----------------------------------|---|---|---|
| SODIUM METABISULFITE<br>7681-57-4 | EC50: 72 h <i>Desmodesmus subspicatus</i> 48 mg/L EC50: 96 h <i>Desmodesmus subspicatus</i> 40 mg/L | LC50: 96 h <i>Lepomis macrochirus</i> 32 mg/L static  | -   |
| METHANOL<br>67-56-1               | -   | LC50: 96 h <i>Pimephales promelas</i> 28200 mg/L flow-through LC50: 96 h <i>Pimephales promelas</i> 100 mg/L static LC50: 96 h <i>Oncorhynchus mykiss</i> 19500 - 20700 mg/L flow-through LC50: 96 h <i>Oncorhynchus mykiss</i> 18 - 20 mL/L static LC50: 96 h <i>Lepomis macrochirus</i> 13500 - 17600 mg/L flow-through | -   |

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

| Chemical Name                     | log Pow |
|-----------------------------------|---------|
| SODIUM METABISULFITE<br>7681-57-4 | -3.7    |
| METHANOL<br>67-56-1               | -0.77   |

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

No adverse effects are expected.

## 13. Disposal Considerations

**13.1 Waste treatment methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. Transport Information

**DOT** Not regulated

**MEX** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

## 15. Regulatory information

**15.1 International Inventories**

|                      |          |
|----------------------|----------|
| <b>TSCA</b>          | -        |
| <b>DSL</b>           | -        |
| <b>EINECS/ELINCS</b> | -        |
| <b>ENCS</b>          | -        |
| <b>IECSC</b>         | -        |
| <b>KECL</b>          | -        |
| <b>PICCS</b>         | -        |
| <b>AICS</b>          | Complies |
| <b>NZIoC</b>         | -        |

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

**15.2 U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**15.3 Pesticide Information**

Not applicable

**15.4 U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Chemical Name            | California Prop. 65   |
|--------------------------|---|
| METHANOL - 67-56-1       | Developmental   |
| 1,4-DIOXANE - 123-91-1   | Carcinogen  |
| Acetaldehyde - 75-07-0   | Carcinogen  |
| Ethylene oxide - 75-21-8 | Carcinogen<br>Developmental<br>Female Reproductive<br>Male Reproductive |

**16. Other information**

|             |                        |                       |                          |  |
|-------------|------------------------|-----------------------|--------------------------|--|
| <b>NFPA</b> | <b>Health Hazard</b> 1 | <b>Flammability</b> 0 | <b>Instability</b> 0     | <b>Physical and chemical hazards -</b> |
| <b>HMIS</b> | <b>Health Hazard</b> 1 | <b>Flammability</b> 0 | <b>Physical Hazard</b> 0 | <b>Personal protection</b> X           |

**Legend:**

ACGIH (American Conference of Governmental Industrial Hygienists)

Ceiling (C)

DOT (Department of Transportation)

EPA (Environmental Protection Agency)

IARC (International Agency for Research on Cancer)

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG)

NIOSH (National Institute for Occupational Safety and Health)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

PEL (Permissible Exposure Limit)

Reportable Quantity (RQ)

Skin designation (S\*)

STEL (Short Term Exposure Limit)

TLV® (Threshold Limit Value)

TWA (time-weighted average)

**Revision Date** 30-Jun-2015

**Revision Note**

No information available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**