

**SECTION 1: IDENTIFICATION****Product Identifier****Product Form:** Mixture**Product Name:** Sulex 70**Synonyms:** Brimstone, Sulfur**Intended Use of the Product**

Treatment of Plants.

**Name, Address, and Telephone of the Responsible Party****Manufacturer**

CHEMTRADE LOGISTICS INC.

155 Gordon Baker Road

Suite 300

Toronto, Ontario M2H 3N5

For SDS Info: (416) 496-5856

[www.chemtradelogistics.com](http://www.chemtradelogistics.com)**Emergency Telephone Number****Emergency Number :**

Canada: CANUTEC +1-613-996-6666 / US: CHEMTREC +1-800-424-9300

INTERNATIONAL: +1-703-741-5970

Chemtrade Emergency Contact: (866) 416-4404

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

**SECTION 2: HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****GHS Classification**

Skin Irrit. 2 H315

Aquatic Acute 2 H401

Full text of hazard classes and H-statements : see section 16

**Label Elements****GHS Labeling****Hazard Pictograms :**

GHS07

**Signal Word :**

Warning

**Hazard Statements :**

H315 - Causes skin irritation.

H401 - Toxic to aquatic life.

**Precautionary Statements :**

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P321 - Specific treatment (see section 4 on this SDS).

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial and international regulations.

**Other Hazards**

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. Contains sulfur, may release small amounts of hydrogen sulfide. Hydrogen sulfide is a highly flammable, explosive gas under certain conditions, is a toxic gas, and may be fatal. Gas can accumulate in the headspace of closed containers, use caution when opening sealed containers. Heating the product or containers can cause thermal decomposition of the product and release hydrogen sulfide.

# Sulex 70

## Safety Data Sheet

According to U.S. Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations and according to Canada's Hazardous Products Regulation, February 11, 2015.

### Unknown acute toxicity

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

| Name             | Product Identifier | %*          | GHS Ingredient Classification  |
|------------------|--------------------|-------------|--|
| Sulfur           | (CAS No) 7704-34-9 | 70          | Skin Irrit. 2, H315<br>Comb. Dust  |
| Water            | (CAS No) 7732-18-5 | 28.0 – 29.1 | Not classified   |
| Hydrogen sulfide | (CAS No) 7783-06-4 | 0.1 – 1.0   | Flam. Gas 1, H220<br>Liquefied gas, H280<br>Acute Tox. 2 (Inhalation:gas), H330<br>Eye Irrit. 2A, H319<br>STOT SE 3, H335<br>Aquatic Acute 1, H400 |

Full text of H-phrases: see section 16

\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

## SECTION 4: FIRST AID MEASURES

### Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Causes skin irritation.

**Inhalation:** Prolonged exposure may cause irritation. WARNING: irritating and toxic hydrogen sulfide gas may be present. Greater than 15-20 ppm continuous exposure can cause mucous membrane and respiratory tract irritation. 50-500 ppm can cause headache, nausea, and dizziness. Continued exposure at these levels can lead to loss of reasoning and balance, difficulty in breathing, fluid in the lungs, and possible loss of consciousness. Greater than 500 ppm can cause rapid unconsciousness and death if not promptly revived.

**Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Eye Contact:** May cause slight irritation to eyes.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Water spray, dry chemical, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

# Sulex 70

## Safety Data Sheet

According to U.S. Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations and according to Canada's Hazardous Products Regulation, February 11, 2015.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Sulfur dioxide, sulfur trioxide, hydrogen sulfide.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

### Reference to Other Sections

Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray, dust, gas).

#### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Additional Hazards When Processed:** If stored under heat for extended periods or significantly agitated, this material might evolve or release hydrogen sulfide, a flammable gas, which can raise and widen this material's actual flammability limits and significantly lower its auto-ignition temperature. Hydrogen sulfide is a toxic gas that can be fatal. It also has a rotten egg smell that causes odor fatigue very quickly and should not be used as an indicator for the presence of gas.

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray, dust, gas).

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers, carbides, chlorates, nitrates, halogens, phosphorous, heavy metals.

### Specific End Use(s)

Treatment of Plants.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

| Sulfur (7704-34-9)           |                              |                      |
|------------------------------|------------------------------|----------------------|
| Alberta                      | OEL TWA (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> |
| Hydrogen sulfide (7783-06-4) |                              |                      |
| Mexico                       | OEL TWA (mg/m <sup>3</sup> ) | 14 mg/m <sup>3</sup> |
| Mexico                       | OEL TWA (ppm)                | 10 ppm               |

# Sulex 70

## Safety Data Sheet

According to U.S. Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations and according to Canada's Hazardous Products Regulation, February 11, 2015.

|                         |  |                      |
|-------------------------|--|----------------------|
| Mexico                  | OEL STEL (mg/m <sup>3</sup> )            | 21 mg/m <sup>3</sup> |
| Mexico                  | OEL STEL (ppm)                           | 15 ppm               |
| USA ACGIH               | ACGIH TWA (ppm)                          | 1 ppm                |
| USA ACGIH               | ACGIH STEL (ppm)                         | 5 ppm                |
| USA OSHA                | OSHA PEL (Ceiling) (ppm)                 | 20 ppm               |
| USA NIOSH               | NIOSH REL (ceiling) (mg/m <sup>3</sup> ) | 15 mg/m <sup>3</sup> |
| USA NIOSH               | NIOSH REL (ceiling) (ppm)                | 10 ppm               |
| USA IDLH                | US IDLH (ppm)                            | 100 ppm              |
| Alberta                 | OEL Ceiling (mg/m <sup>3</sup> )         | 21 mg/m <sup>3</sup> |
| Alberta                 | OEL Ceiling (ppm)                        | 15 ppm               |
| Alberta                 | OEL TWA (mg/m <sup>3</sup> )             | 14 mg/m <sup>3</sup> |
| Alberta                 | OEL TWA (ppm)                            | 10 ppm               |
| British Columbia        | OEL Ceiling (ppm)                        | 10 ppm               |
| Manitoba                | OEL STEL (ppm)                           | 5 ppm                |
| Manitoba                | OEL TWA (ppm)                            | 1 ppm                |
| New Brunswick           | OEL STEL (mg/m <sup>3</sup> )            | 21 mg/m <sup>3</sup> |
| New Brunswick           | OEL STEL (ppm)                           | 15 ppm               |
| New Brunswick           | OEL TWA (mg/m <sup>3</sup> )             | 14 mg/m <sup>3</sup> |
| New Brunswick           | OEL TWA (ppm)                            | 10 ppm               |
| Newfoundland & Labrador | OEL STEL (ppm)                           | 5 ppm                |
| Newfoundland & Labrador | OEL TWA (ppm)                            | 1 ppm                |
| Nova Scotia             | OEL STEL (ppm)                           | 5 ppm                |
| Nova Scotia             | OEL TWA (ppm)                            | 1 ppm                |
| Nunavut                 | OEL STEL (ppm)                           | 15 ppm               |
| Nunavut                 | OEL TWA (ppm)                            | 10 ppm               |
| Northwest Territories   | OEL STEL (ppm)                           | 15 ppm               |
| Northwest Territories   | OEL TWA (ppm)                            | 10 ppm               |
| Ontario                 | OEL STEL (ppm)                           | 15 ppm               |
| Ontario                 | OEL TWA (ppm)                            | 10 ppm               |
| Prince Edward Island    | OEL STEL (ppm)                           | 5 ppm                |
| Prince Edward Island    | OEL TWA (ppm)                            | 1 ppm                |
| Québec                  | VECD (mg/m <sup>3</sup> )                | 21 mg/m <sup>3</sup> |
| Québec                  | VECD (ppm)                               | 15 ppm               |
| Québec                  | VEMP (mg/m <sup>3</sup> )                | 14 mg/m <sup>3</sup> |
| Québec                  | VEMP (ppm)                               | 10 ppm               |
| Saskatchewan            | OEL STEL (ppm)                           | 15 ppm               |
| Saskatchewan            | OEL TWA (ppm)                            | 10 ppm               |
| Yukon                   | OEL STEL (mg/m <sup>3</sup> )            | 27 mg/m <sup>3</sup> |
| Yukon                   | OEL STEL (ppm)                           | 15 ppm               |
| Yukon                   | OEL TWA (mg/m <sup>3</sup> )             | 15 mg/m <sup>3</sup> |
| Yukon                   | OEL TWA (ppm)                            | 10 ppm               |

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

# Sulex 70

## Safety Data Sheet

According to U.S. Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations and according to Canada's Hazardous Products Regulation, February 11, 2015.

**Hand Protection:** Wear protective gloves.

**Eye Protection:** Chemical safety goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

|  |                                       |
|--|---------------------------------------|
| Physical State                         | : Liquid                              |
| Appearance                             | : Light Yellow                        |
| Odor                                   | : Rotten Eggs                         |
| Odor Threshold                         | : Not available                       |
| pH                                     | : Neutral                             |
| Evaporation Rate                       | : Not available                       |
| Melting Point                          | : Not available                       |
| Freezing Point                         | : Not available                       |
| Boiling Point                          | : Not available                       |
| Flash Point                            | : Not available                       |
| Auto-ignition Temperature              | : Not available                       |
| Decomposition Temperature              | : Not available                       |
| Flammability (solid, gas)              | : Not applicable                      |
| Lower Flammable Limit                  | : Not applicable                      |
| Upper Flammable Limit                  | : Not applicable                      |
| Vapor Pressure                         | : 2.3 kPa (17.51 mm Hg) @20°C (68 °F) |
| Relative Vapor Density at 20°C         | : Not available                       |
| Specific Gravity                       | : 1.5                                 |
| Solubility                             | : Water: Miscible                     |
| Partition Coefficient: N-Octanol/Water | : Not available                       |
| Viscosity                              | : Not available                       |

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Extremely high or low temperature and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers, carbides, chlorates, nitrates, halogens, phosphorous, heavy metals.

**Hazardous Decomposition Products:** None expected under normal conditions of use.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Causes skin irritation.

**pH:** Neutral

**Eye Damage/Irritation:** Not classified

**pH:** Neutral

**Respiratory or Skin Sensitization:** Not classified

# Sulex 70

## Safety Data Sheet

According to U.S. Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations and according to Canada's Hazardous Products Regulation, February 11, 2015.

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Effects After Inhalation:** Prolonged exposure may cause irritation. WARNING: irritating and toxic hydrogen sulfide gas may be present. Greater than 15-20 ppm continuous exposure can cause mucous membrane and respiratory tract irritation. 50-500 ppm can cause headache, nausea, and dizziness. Continued exposure at these levels can lead to loss of reasoning and balance, difficulty in breathing, fluid in the lungs, and possible loss of consciousness. Greater than 500 ppm can cause rapid unconsciousness and death if not promptly revived.

**Symptoms/Effects After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Effects After Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Effects After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

### Information on Toxicological Effects - Ingredient(s)

#### LD50 and LC50 Data:

|                                     |                |
|-------------------------------------|----------------|
| <b>Water (7732-18-5)</b>            |                |
| LD50 Oral Rat                       | > 90000 mg/kg  |
| <b>Sulfur (7704-34-9)</b>           |                |
| LD50 Oral Rat                       | > 3000 mg/kg   |
| LD50 Dermal Rabbit                  | > 2000 mg/kg   |
| LC50 Inhalation Rat                 | > 9.23 mg/l/4h |
| <b>Hydrogen sulfide (7783-06-4)</b> |                |
| LC50 Inhalation Rat                 | 444 ppm/4h     |

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Ecology - General:** Toxic to aquatic life.

|                                     |   |
|-------------------------------------|---|
| <b>Sulfur (7704-34-9)</b>           |   |
| LC50 Fish 1                         | 866 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])            |
| EC50 Daphnia 1                      | 736 mg/l (Exposure time: 48 h - Species: Daphnia magna)                         |
| LC50 Fish 2                         | 14 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])           |
| <b>Hydrogen sulfide (7783-06-4)</b> |   |
| LC50 Fish 1                         | 0.0448 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through]) |
| LC50 Fish 2                         | 0.016 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])  |

### Persistence and Degradability

|                               |                  |
|-------------------------------|------------------|
| <b>Sulex 70</b>               |                  |
| Persistence and Degradability | Not established. |

### Bioaccumulative Potential

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Sulex 70</b>                     |                               |
| Bioaccumulative Potential           | Not established.              |
| <b>Hydrogen sulfide (7783-06-4)</b> |                               |
| BCF Fish 1                          | (no bioaccumulation expected) |
| Log Pow                             | 0.45 (at 25 °C)               |

### Mobility in Soil

Not available

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

# Sulex 70

## Safety Data Sheet

According to U.S. Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations and according to Canada's Hazardous Products Regulation, February 11, 2015.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

### SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

Not regulated for transport according to: US DOT, IMDG, IATA, and Canada's TDG.

### SECTION 15: REGULATORY INFORMATION

#### US Federal Regulations

| Chemical Name (CAS No.)      | CERCLA RQ   | EPCRA 304 RQ | SARA 302 TPQ | SARA 313 |
|------------------------------|-------------|--------------|--------------|----------|
| Sulfur (7704-34-9)           | Not present | Not present  | Not present  | No       |
| Hydrogen sulfide (7783-06-4) | 100 lb      | 100 lb       | 500 lb       | Yes      |

#### SARA 311/312

|                                 |
|---------------------------------|
| <b>Sulex 70</b>                 |
| Immediate (acute) health hazard |

#### US TSCA Flags

Not present

#### US State Regulations

##### California Proposition 65

| Chemical Name (CAS No.)      | Carcinogenicity | Developmental Toxicity | Female Reproductive Toxicity | Male Reproductive Toxicity |
|------------------------------|-----------------|------------------------|------------------------------|----------------------------|
| Sulfur (7704-34-9)           | No              | No                     | No                           | No                         |
| Hydrogen sulfide (7783-06-4) | No              | No                     | No                           | No                         |

#### State Right-To-Know Lists

|   |
|---|
| <b>Sulfur (7704-34-9)</b><br>U.S. - Massachusetts - Right To Know List - Yes<br>U.S. - New Jersey - Right to Know Hazardous Substance List - Yes<br>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List - No<br>U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances - No<br>U.S. - Pennsylvania - RTK (Right to Know) List - Yes |
|---|

|  |
|--|
| <b>Hydrogen sulfide (7783-06-4)</b><br>U.S. - Massachusetts - Right To Know List - Yes<br>U.S. - New Jersey - Right to Know Hazardous Substance List - Yes<br>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List - Yes<br>U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances - No<br>U.S. - Pennsylvania - RTK (Right to Know) List - Yes |
|--|

#### Canadian Regulations

|  |
|--|
| <b>Sulfur (7704-34-9)</b><br>Listed on the Canadian DSL (Domestic Substances List)<br>Not listed on the Canadian NDSL (Non-Domestic Substances List) |
|--|

|  |
|--|
| <b>Hydrogen sulfide (7783-06-4)</b><br>Listed on the Canadian DSL (Domestic Substances List)<br>Not listed on the Canadian NDSL (Non-Domestic Substances List) |
|--|

#### International Inventories/Lists

| Chemical Name (CAS No.) | Australia AICS | Turkey CICR | Korea ECL | EU EINECS | EU ELINCS | EU SVHC | EU NLP | Mexico INSQ |
|-------------------------|----------------|-------------|-----------|-----------|-----------|---------|--------|-------------|
|-------------------------|----------------|-------------|-----------|-----------|-----------|---------|--------|-------------|

# Sulex 70

## Safety Data Sheet

According to U.S. Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations and according to Canada's Hazardous Products Regulation, February 11, 2015.

|                                |                    |                   |                   |                    |                   |                          |                          |                |
|--------------------------------|--------------------|-------------------|-------------------|--------------------|-------------------|--------------------------|--------------------------|----------------|
| Sulfur (7704-34-9)             | Yes                | Yes               | Yes               | Yes                | No                | No                       | No                       | Yes            |
| Hydrogen sulfide (7783-06-4)   | Yes                | No                | Yes               | Yes                | No                | No                       | No                       | Yes            |
| <b>Chemical Name (CAS No.)</b> | <b>China IECSC</b> | <b>Japan ENCS</b> | <b>Japan ISHL</b> | <b>Japan PDSCL</b> | <b>Japan PRTR</b> | <b>Philippines PICCS</b> | <b>New Zealand NZIOC</b> | <b>US TSCA</b> |
| Sulfur (7704-34-9)             | Yes                | No                | No                | No                 | No                | Yes                      | Yes                      | Yes            |
| Hydrogen sulfide (7783-06-4)   | Yes                | Yes               | No                | No                 | No                | Yes                      | Yes                      | Yes            |

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 05/07/2018

#### Revision Summary

| Section | Change             | Date Changed |
|---------|--------------------|--------------|
| 3       | Information update | 05/07/2018   |

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR).

#### GHS Full Text Phrases:

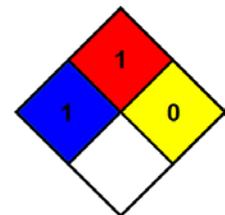
|                               |  |
|-------------------------------|--|
| Acute Tox. 2 (Inhalation:gas) | Acute toxicity (inhalation:gas) Category 2                     |
| Aquatic Acute 1               | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Aquatic Acute 2               | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Comb. Dust                    | Combustible Dust   |
| Eye Irrit. 2A                 | Serious eye damage/eye irritation Category 2A                  |
| Flam. Gas 1                   | Flammable gases Category 1                                     |
| Liquefied gas                 | Gases under pressure Liquefied gas                             |
| Skin Irrit. 2                 | Skin corrosion/irritation Category 2                           |
| STOT SE 3                     | Specific target organ toxicity (single exposure) Category 3    |
| H220                          | Extremely flammable gas  |
| H280                          | Contains gas under pressure; may explode if heated             |
| H315                          | Causes skin irritation   |
| H319                          | Causes serious eye irritation                                  |
| H330                          | Fatal if inhaled   |
| H335                          | May cause respiratory irritation                               |
| H400                          | Very toxic to aquatic life                                     |
| H401                          | Toxic to aquatic life  |

#### NFPA 704

**NFPA Health Hazard** : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA Fire Hazard** : 1 - Must be preheated before ignition can occur.

**NFPA Reactivity Hazard** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



#### HMIS Rating

**Health** : 1 Slight Hazard - Irritation or minor reversible injury possible

**Flammability** : 1 Slight Hazard

**Physical** : 0 Minimal Hazard

**PPE** : See Section 8

#### Abbreviations and Acronyms

AICS - Australian Inventory of Chemical Substances

ACGIH - American Conference of Governmental Industrial Hygienists

AIHA - American Industrial Hygiene Association

ATE - Acute Toxicity Estimate

LC50 - Median Lethal Concentration

LD50 - Median Lethal Dose

LOAEL - Lowest Observed Adverse Effect Level

LOEC - Lowest-observed-effect Concentration

# Sulex 70

## Safety Data Sheet

According to U.S. Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations and according to Canada's Hazardous Products Regulation, February 11, 2015.

|   |   |
|---|---|
| BCF - Bioconcentration factor   | Log Pow - Octanol/water Partition Coefficient   |
| BEI - Biological Exposure Indices (BEI)   | NFPA 704 - National Fire Protection Association - Standard System for the Identification of the Hazards of Materials for Emergency Response |
| CAS No. - Chemical Abstracts Service number   | NIOSH - National Institute for Occupational Safety and Health   |
| CERCLA RQ - Comprehensive Environmental Response, Compensation, and Liability Act - Reportable Quantity                         | NLP - Europe No Longer Polymers List  |
| CICR - Turkish Inventory and Control of Chemicals   | NOAEL - No-Observed Adverse Effect Level  |
| DOT - 49 CFR - US Department of Transportation - Code of Federal Regulations Title 49 - Transportation.                         | NOEC - No-Observed Effect Concentration   |
| EC50 - Median effective concentration   | NZIOC - New Zealand Inventory of Chemicals  |
| ECL - Korea Existing Chemicals List   | OEL - Occupational Exposure Limits  |
| EINECS - European Inventory of Existing Commercial Chemical Substances  | OSHA - Occupational Safety and Health Administration  |
| ELINCS - European List of Notified Chemical Substances  | PEL - Permissible Exposure Limits   |
| Ems - IMDG Emergency Schedule Fire & Spillage   | PICCS - Philippine Inventory of Chemicals and Chemical Substances   |
| ENCS - Japanese Existing and New Chemical Substances Inventory  | PDSC - Japan Poisonous and Deleterious Substances Control Law   |
| EPA - Environmental Protection Agency   | PPE - Personal Protective Equipment   |
| EPCRA 304 RQ - EPCRA 304 Extremely Hazardous Substance Emergency Planning and Community Right-to-Know-Act - Reportable Quantity | PRTR - Japan Pollutant Release and Transfer Register  |
| ERAP Index - Emergency Response Assistance Plan Quantity Limit  | REL - Recommended Exposure Limit  |
| ErC50 - EC50 in Terms of Reduction Growth Rate  | SADT - Self Accelerating Decomposition Temperature  |
| ERG code (IATA) - Emergency Response Drill Code as found in the International Civil Aviation Organization (ICAO)                | SARA - Superfund Amendments and Reauthorization Act   |
| ERG No. - Emergency Response Guide Number   | SARA 302 - Section 302, 40 CFR Part 355   |
| HCCL - Hazard Communication Carcinogen List   | SARA 311/312 - Sections 311 and 312, 40 CFR Part 370 Hazard Categories  |
| HMIS - Hazardous Materials Information System   | SARA 313 - Section 313, 40 CFR Part 372   |
| IARC - International Agency for Research on Cancer  | SRCL - Specifically Regulated Carcinogen List   |
| IATA - International Air Transport Association - Dangerous Goods Regulations  | STEL - Short Term Exposure Limit  |
| IDLH - Immediately Dangerous to Life or Health  | SVHC - European Candidate List of Substance of Very High Concern  |
| IECSC - Inventory of Existing Chemical Substances Produced or Imported in China   | TDG - Transport Canada Transport of Dangerous Goods Regulations   |
| IMDG - International Maritime Dangerous Goods Code  | TLM - Median Tolerance Limit  |
| INSQ - Mexican National Inventory of Chemical Substances  | TLV - Threshold Limit Value   |
| ISHL - Japan Industrial Safety and Health Law   | TPQ - Threshold Planning Quantity   |
|   | TSCA - United States Toxic Substances Control Act   |
|   | TWA - Time Weighted Average   |
|   | WEEL - Workplace Environmental Exposure Levels  |

Handle product with due care and avoid unnecessary contact. This information is supplied under U.S. OSHA'S "Right to Know" (29 CFR 1910.1200) and Canada's WHMIS regulations. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist. The information contained herein is based on data available to us and is believed to be true and accurate but it is not offered as a product specification. No warranty, expressed or implied, regarding the accuracy of this data, the hazards connected with the use of the product, or the results to be obtained from the use thereof, is made and Chemtrade and its affiliates assume no responsibility. Chemtrade is a member of the CIAC (Chemistry Industry Association of Canada) and adheres to the codes and principles of Responsible Care™.



Chemtrade NA GHS SDS 2015