

# SAFETY DATA SHEET



Revision Date 20-Oct-2016  
Version 2.01

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

### 1.1 Product identifier

Product name Heavy Duty Soil Lifter  
Product code W.20190

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

Recommended Use Professional Carpet 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

Legend Brands  
4520 Eastgate Parkway  
Mississauga, ON L4W 3W6  
800-932-3030

E-mail Address msds@chemspecworld.com

### 1.4 Emergency telephone number

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910.1200

|                                   |            |
|-----------------------------------|------------|
| Acute toxicity - Oral             | Category 4 |
| Skin corrosion/irritation         | Category 2 |
| Serious eye damage/eye irritation | Category 2 |
| Skin sensitization                | Category 1 |
| Aspiration toxicity               | Category 1 |
| Flammable liquids                 | Category 3 |

### 2.2 Label elements

Signal Word  
Danger

#### Hazard Statements

Harmful if swallowed  
 Causes skin irritation  
 Causes serious eye irritation  
 May cause an allergic skin reaction  
 May be fatal if swallowed and enters airways  
 Flammable liquid and vapor



#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/Bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Wear protective gloves/clothing and eye/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 Wash contaminated clothing before reuse  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor  
 Do NOT induce vomiting  
 Rinse mouth  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

#### Precautionary Statements - Storage

Store locked up  
 Store in a well-ventilated place. Keep cool

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

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

Not Applicable

#### 2.4 Other information

Not Applicable

#### Unknown Acute Toxicity

< 1% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/Information on Ingredients

#### Substance Mixture

| Chemical Name                   | CAS-No   | Weight % |
|---------------------------------|----------|----------|
| Ethylene glycol monobutyl ether | 111-76-2 | 40 - 50  |

|            |           |         |
|------------|-----------|---------|
| D-limonene | 5989-27-5 | 10 - 20 |
|------------|-----------|---------|

The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First aid measures

### 4.1 Description of first-aid measures

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.   |
| <b>Eye contact</b>    | Remove contact lenses, if present. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation develops or persists.                                 |
| <b>Skin contact</b>   | Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Use a mild soap if available. Call a physician if irritation develops or persists.                                |
| <b>Inhalation</b>     | Move to fresh air. If not breathing, give artificial respiration. Consult a physician after significant exposure.  |
| <b>Ingestion</b>      | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Get medical attention immediately. |

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

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | See Section 2.2, Label Elements and/or Section 11, Toxicological effects. |
|-----------------|---|

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

|                           |  |
|---------------------------|--|
| <b>Notes to physician</b> | May cause sensitization of susceptible persons. 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.

**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 May cause sensitization by inhalation and skin contact Thermal decomposition can lead to release of irritating gases and vapors Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product

**Hazardous Combustion Products** No information available.

#### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### 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

Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.

## **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. 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** Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert absorbent material. Take precautionary measures against static discharges.

## **7. Handling and storage**

### **7.1 Precautions for safe handling**

**Advice on safe handling** Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**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** Use only in area provided with appropriate exhaust ventilation. Keep locked up or in an area accessible only to qualified or authorized persons. Use only explosion-proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Electrical equipment should be protected to the appropriate standard. Store between 41 and 77 °F (5 - 25° C) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store in original container.

**Materials to Avoid** Strong oxidizing agents.

## **8. Exposure controls/personal protection**

### **8.1 Exposure Guidelines**

| Chemical Name                               | ACGIH TLV   | OSHA PEL  | British Columbia | Alberta                                  | Quebec                                   | Ontario TWAEV |
|---|-------------|---|------------------|--|--|---------------|
| Ethylene glycol monobutyl ether<br>111-76-2 | TWA: 20 ppm | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>S* | TWA: 20 ppm      | TWA: 20 ppm<br>TWA: 97 mg/m <sup>3</sup> | TWA: 20 ppm<br>TWA: 97 mg/m <sup>3</sup> | TWA: 20 ppm   |

### **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** 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

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | Clear                    |
| <b>Color</b>          | Yellow                   |
| <b>Odor</b>           | Citrus                   |
| <b>Odor Threshold</b> | No information available |

| <u>Property</u>                     | <u>Values</u>      | <u>Remarks • Methods</u> |
|-------------------------------------|--------------------|--------------------------|
| <b>pH</b>                           | 8.5                |                          |
| <b>Melting/freezing point</b>       |                    | No information available |
| <b>Boiling point/boiling range</b>  |                    | No information available |
| <b>Flash Point</b>                  | 49 °C / 120 °F     |                          |
| <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>             | 0.90 g/cc          |                          |
| <b>Water solubility</b>             | completely soluble |                          |
| <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** 66%

## 10. Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions Risk of ignition

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to Avoid

Direct sources of heat.

### 10.5 Incompatible Materials

Strong oxidizing agents.

### 10.6 Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## 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** < 1% of the mixture consists of ingredient(s) of unknown toxicity

|                     |                |
|---------------------|----------------|
| <b>Oral LD50</b>    | 1,063.00 mg/kg |
| <b>Dermal LD50</b>  | 4,085.00 mg/kg |
| <b>LC50 (Vapor)</b> | 27.00 mg/l     |

#### Numerical measures of toxicity: Component Information

| Chemical Name                               | LD50 Oral          | LD50 Dermal             | LC50 Inhalation       |
|---|--------------------|-------------------------|-----------------------|
| Ethylene glycol monobutyl ether<br>111-76-2 | 470 mg/kg ( Rat )  | = 2000 mg/kg ( Rabbit ) | = 450 ppm ( Rat ) 4 h |
| D-limonene<br>5989-27-5                     | 4400 mg/kg ( Rat ) | > 5 g/kg ( Rabbit )     | -                     |

### 11.2 Information on toxicological effects

#### Skin corrosion/irritation

##### Product Information

- No information available

##### Component Information

- No information available

#### Serious eye damage/eye irritation

##### Product Information

- May cause eye irritation

##### 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

- This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B)
- The table below indicates whether each agency has listed any ingredient as a carcinogen

##### Component Information

- Contains a known or suspected carcinogen

#### Reproductive toxicity

##### Product Information

- No information available

Component Information

- No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

- May cause adverse liver effects
- Repeated contact may cause allergic reactions in very susceptible persons
- Avoid repeated exposure

**Other adverse effects**Product Information

- No information available

Component Information

- No information available

**Aspiration hazard**Product Information

- Risk of serious damage to the lungs (by aspiration)

Component Information

- No information available

## 12. Ecological information

**12.1 Toxicity****Ecotoxicity**

No information available

< 1 % 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 |
|---|-------------------|--|---|
| Ethylene glycol monobutyl ether<br>111-76-2 | -                 | LC50: 96 h <i>Lepomis macrochirus</i><br>1490 mg/L static LC50: 96 h<br><i>Lepomis macrochirus</i> 2950 mg/L                 | EC50: 48 h <i>Daphnia magna</i> 1000 mg/L           |
| D-limonene<br>5989-27-5                     | -                 | LC50: 96 h <i>Pimephales promelas</i><br>0.619 - 0.796 mg/L flow-through<br>LC50: 96 h <i>Oncorhynchus mykiss</i><br>35 mg/L | -   |

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

| Chemical Name                               | log Pow |
|---|---------|
| Ethylene glycol monobutyl ether<br>111-76-2 | 0.81    |

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

Discharge into the environment must be avoided

## 13. Disposal Considerations

**13.1 Waste treatment methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

|                                  |
|----------------------------------|
| <b>14. Transport Information</b> |
|----------------------------------|

**DOT**

Note: According to 49 CFR §173.150(f)(1), this material was reclassified as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is impractical

**MEX**

-

**IMDG**

Limited quantity

**Proper shipping name**

Flammable Liquid, N.O.S. (D'LIMONENE)

**Hazard class**

3

**UN**

1993

**Packing Group**

III

**IATA**

Air transport is not recommended.

**UN**

-

**Proper shipping name**

-

**Hazard class**

-

**Packing Group**

-

**Special Provisions**

-

|                                   |
|-----------------------------------|
| <b>15. Regulatory information</b> |
|-----------------------------------|

**15.1 International Inventories**

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

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

**DSL** - Canadian Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:



| Chemical Name                               | SARA 313 - Threshold Values % |
|---|-------------------------------|
| Ethylene glycol monobutyl ether<br>111-76-2 | 1.0                           |

**15.3 Pesticide Information**

Not applicable

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

This product does not contain any Proposition 65 chemicals

**16. Other information**

|             |                 |                |                   |                                 |
|-------------|-----------------|----------------|-------------------|---------------------------------|
| <b>NFPA</b> | Health Hazard 2 | Flammability 2 | Instability 0     | Physical and chemical hazards * |
| <b>HMIS</b> | Health Hazard 2 | Flammability 2 | Physical Hazard 0 | Personal protection 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)

**Prepared By**

Chemspec Regulatory Affairs/Product Safety

**Revision Date**

20-Oct-2016

**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**