



# Safety Data Sheet

## 1. Identification

<b>Product Information.</b>	107247
<b>Product Name:</b>	Heavy Duty Soil Lifter Biosolv
<b>Recommended Use.</b>	Professional Cleaning Agent
<b>Uses advised against.</b>	Professional Use Only
<b>Supplier.</b>	Legend Brands Chemspec 15180 Josh Wilson Road Burlington, WA 98233 E-Mail: sds@legendbrands.com 800-932-3030  Legend Brands 4520 Eastgate Parkway Mississauga, ON L4W 3W6 800-932-3030
<b>Emergency telephone number.</b>	INFOTRAC 1-800-535-5053 (North America) +1-352-323-3500 (International)

## 2. Hazards Identification

Classification in accordance with the Workplace Hazardous Materials Information System (WHMIS) 2015 based on the Hazardous Products Regulations (HPR).

Eye Irritation, category 2A

Skin Sensitizer, category 1

### GHS Pictograms



### Signal Word

Warning

### Unknown Acute Toxicity

2.0% of the mixture consists of ingredient(s) of unknown acute toxicity

### HAZARD STATEMENTS

May cause an allergic skin reaction.

Causes serious eye irritation.

### Precautionary Statements - Prevention.

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

Wash face, hands and any exposed skin thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

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

### Precautionary Statements - Response.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

**Precautionary Statements - Disposal.**

Dispose of contents/ container to an approved waste disposal plant.

### 3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>HMIRA</u>
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5	15-40	
Dipropylene Glycol Butyl Ether	29911-28-2	5-10	
SODIUM (C14-16) OLEFIN SULFONATE	68439-57-6	3-7	
Propylene glycol	57-55-6	3-7	
Distillates, petroleum, hydrotreated light	64742-47-8	1-5	
Surfactant blend	mixture	1-5	
D-limonene	5989-27-5	1-5	

### 4. First-aid Measures

**Description of first-aid measures.**

**General advice.**

Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

**Inhalation.**

Move to fresh air.

**Skin contact.**

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

**Eye contact.**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

**Ingestion.**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water.

**Symptoms.**

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

**Notes to physician.**

Treat symptomatically.

### 5. Fire-fighting Measures

**Extinguishing media.**

**Suitable extinguishing media.**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Extinguishing media which shall not be used for safety reasons.**

High volume water jet.

**Special hazards arising from the substance or mixture.**

No information available.

**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

### Personal precautions, protective equipment and emergency procedures.

#### **Personal precautions.**

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

#### **Advice for emergency responders.**

Use personal protection recommended in Section 8.

### Environmental precautions.

Prevent product from entering drains. See Section 12 for additional Ecological information.

### Methods and materials for containment and cleaning up.

#### **Methods for Containment.**

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

#### **Methods for cleaning up.**

Use personal protective equipment as required.

### Reference to other sections.

See section 8 for more information.

## 7. Handling and Storage

### Conditions for safe storage, including any incompatibilities.

#### **Advice on safe handling.**

Handle in accordance with good industrial hygiene and safety practice.

#### **Hygiene measures.**

See section 7 for more information.

#### **Storage Conditions.**

Keep containers tightly closed in a cool, well-ventilated place.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
2-(2-BUTOXYETHOXY)ETHANOL	10 ppm	N.E.	N.E.	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

#### **Engineering Measures.**

Showers, eyewash stations, and ventilation systems.

#### **Personal protective equipment.**

##### **Eye/Face Protection.**

Safety glasses with side-shields.

##### **Skin and body protection.**

Wear suitable protective clothing.

##### **Respiratory protection.**

In case of insufficient ventilation wear suitable respiratory equipment.

## 9. Physical and chemical properties.

### Information on basic physical and chemical properties.

<b>Physical state</b>	Liquid
<b>Appearance</b>	transparent
<b>Color</b>	colorless

Odor	citrus
Odor Threshold	No Information
pH	7.94
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	87 (188.60)
Boiling point/boiling range., °C (°F)	100 - 230 (212 - 446)
Evaporation rate	No Information
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm <sup>3</sup> )	0.980
Water solubility.	dispersible in water
Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

**Other information.**

Volatile organic compounds (VOC) content.	55.22
Density, lb/gal	No Information

## 10. Stability and Reactivity

**Reactivity.**

Stable under normal conditions.

**Chemical stability.**

Stable under recommended storage conditions.

**Possibility of hazardous reactions.**

None known based on information supplied.

**Conditions to Avoid.**

None known.

**Incompatible Materials.**

None known based on information supplied.

**Hazardous Decomposition Products.**

None known.

## 11. Toxicological Information

**Information on toxicological effects.****Acute toxicity.****Product Information**

LD50 Oral OralLD50	LD50 Dermal 4,085.00 mg/kg	LC50 Inhalation N.I.
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**Component Information.**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
112-34-5	2-(2-BUTOXYETHOXY)ETHANOL	5660 mg/kg Rat	2700 mg/kg Rabbit	N.I.
68439-57-6	SODIUM (C14-16) OLEFIN SULFONATE	2220 mg/kg Rat	6300 Rabbit	N.I.
57-55-6	Propylene glycol	20000 mg/kg Rat	20800 mg/kg Rabbit	N.I.
mixture	Surfactant blend	>2000 mg/kg Rat	1000-2000 mg/kg Rabbit	N.I.

5989-27-5 D-limonene

5200 mg/kg, 4400  
mg/kg Rat>5000 mg/kg  
Rabbit N.I.

N.I. = No Information

**Skin corrosion/irritation.**

SKIN IRRITANT.

**Eye damage/irritation.**

No Information

**Respiratory or skin sensitization.**

No Information

**Ingestion.**

No Information

**Germ cell mutagenicity.**

No Information

**Carcinogenicity.**

No Information

**CAS-No.**

5989-27-5

**Chemical Name**

D-limonene

**IARC**

IARC Group 3

**NTP**

-

**OSHA**

-

**Reproductive toxicity.**

No Information

**Specific target organ systemic toxicity (single exposure).**

No Information

**Specific target organ systemic toxicity (repeated exposure).**

No Information

**Aspiration hazard.**

No Information

**Primary Route(s) of Entry**

No Information

**12. Ecological Information****Toxicity.**

3.50% of the mixture consists of ingredient(s) of unknown aquatic toxicity

**Ecotoxicity effects.**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
2-(2-BUTOXYETHOXY) ETHANOL 112-34-5	EC50 96 h <i>Desmodesmus</i> <i>subspicatus</i> >100 mg/L	LC50 96 h <i>Lepomis macrochirus</i> 1300 mg/L	EC50 48 h <i>Daphnia magna</i> >100 mg/L
Dipropylene Glycol Butyl Ether 29911-28-2	-	LC50 96 h <i>Poecilia reticulata</i> 841 mg/L	-
SODIUM (C14-16) OLEFIN SULFONATE 68439-57-6	-	LC50 96 h <i>Brachydanio rerio</i> 1.0 - 10.0 mg/L, LC50 96 h <i>Brachydanio rerio</i> 12.2 mg/L	-
Propylene glycol 57-55-6	EC50 96 h <i>Pseudokirchneriella</i> <i>subcapitata</i> 19000 mg/L	LC50 96 h <i>Oncorhynchus mykiss</i> 51600 mg/L, LC50 96 h <i>Oncorhynchus mykiss</i> 41 - 47 mL/L, LC50 96 h <i>Pimephales</i> <i>promelas</i> 51400 mg/L, LC50 96 h <i>Pimephales promelas</i> 710 mg/L	EC50 48 h <i>Daphnia magna</i> >1000 mg/L
Distillates, petroleum, hydrotreated light 64742-47-8	-	LC50 96 h <i>Pimephales promelas</i> 45 mg/L, LC50 96 h <i>Lepomis</i> <i>macrochirus</i> 2.2 mg/L, LC50 96 h <i>Oncorhynchus mykiss</i> 2.4 mg/L	-
D-limonene 5989-27-5	-	LC50 96 h <i>Pimephales promelas</i> 0.619 - 0.796 mg/L, LC50 96 h <i>Oncorhynchus mykiss</i> 35 mg/L	-

**Persistence and degradability.**

No data are available on the product itself.

**Bioaccumulative potential.**

Discharge into the environment must be avoided.

**Mobility in soil.**

No information

**Other adverse effects.**

No information

**13. Disposal Considerations****Waste Disposal Guidance.**

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

**14. Transport Information****DOT**

**Hazard Class:** Not regulated. 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

**UN/NA Number:** 1993

**IMDG**

No Information

**IATA**

Air transport is not recommended.

**15. Regulatory Information****International Inventories:**

**TSCA** Complies

**DSL** Complies

**DSL/NDSL** Complies

**EINECS/ELINCS** -

**ENCS** -

**IECSC** Complies

**KECI** Complies

**PICCS** Complies

**AICS** Complies

**NZIoC** Complies

**TCSI**

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

**DSL** Canadian Domestic Substances List.

**DSL/NDSL** Canadian Domestic Substances List/Canadian Non-Domestic Substances List

**EINECS/ELINCS** European Inventory of Existing Chemical Substances/European List of Notified 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.

**TCSI** Taiwan Chemical Substance Inventory

**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class D2B,E

**16. Other Information**

Revision Date: 4/29/2021 Supersedes Date: New SDS

Reason for revision: No Information

Datasheet produced by: Regulatory Department

**HMIS Ratings:**

<b>Health:</b>	N.I.	<b>Flammability:</b>	N.I.	<b>Physical Hazard:</b>	N.I.	<b>Personal Protection:</b>	N.I.
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**NFPA Ratings:**

<b>Health:</b>	N.I.	<b>Flammability:</b>	N.I.	<b>Instability:</b>	N.I.	<b>Physical &amp; Chemical:</b>	N.I.
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

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