



Safety Data Sheet

1. Identification

| | |
|------------------------------------|--|
| Product Information. | 107247 |
| Product Name: | Heavy Duty Soil Lifter Biosolv |
| Recommended Use. | Professional Cleaning Agent |
| Uses advised against. | Professional Use Only |
| Supplier. | 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 |
| Emergency telephone number. | INFOTRAC 1-800-535-5053 (North America) +1-352-323-3500 (International) |

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200

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.

Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves, protective clothing, eye protection, face protection

Precautionary Statements - Response.

If on skin: Wash with plenty of 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.

Precautionary Statements - Disposal.

Dispose of contents in accordance with local, regional, national, international regulations.

3. Composition/Information on Ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> |
|--|----------------|--------------|
| 2-(2-BUTOXYETHOXY)ETHANOL | 112-34-5 | 25-50 |
| Dipropylene Glycol Butyl Ether | 29911-28-2 | 2.5-10 |
| SODIUM (C14-16) OLEFIN SULFONATE | 68439-57-6 | 2.5-10 |
| Propylene glycol | 57-55-6 | 2.5-10 |
| Ethoxylated alcohols, C9-C11 | 68439-46-3 | 2.5-10 |
| Distillates, petroleum, hydrotreated light | 64742-47-8 | 2.5-10 |
| D-limonene | 5989-27-5 | 1.0-2.5 |

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

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.

| | |
|--|--------------------------|
| Physical state | Liquid |
| Appearance | transparent |
| Color | 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 - 1,390 (212 - 2534) |
| Evaporation rate | No Information |

| | |
|---|----------------------|
| Explosive properties. | No Information |
| Vapor pressure. | No Information |
| Vapor density. | No Information |
| Specific Gravity. (g/cm³) | 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. |
|------------------------------|--------------------------------------|--------------------------------|

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 | N.I. |
| 57-55-6 | Propylene glycol | 20000 mg/kg Rat | 20800 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.**Chemical Name**

5989-27-5

D-limonene

IARCIARC Group 2A, 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.**

3.75% 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.

CAS-No.**Chemical Name****log POW**

112-34-5

2-(2-BUTOXYETHOXY)ETHANOL

1

68439-57-6

SODIUM (C14-16) OLEFIN SULFONATE

-1.3

57-55-6

Propylene glycol

-1.07

5989-27-5

D-limonene

4.38

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****Shipping Name:** Not regulated**IMDG****Proper Shipping Name:** Not regulated**IATA****Proper Shipping Name:** Not regulated**15. Regulatory Information****International Inventories:**

| | |
|---------------|----------|
| TSCA | Complies |
| DSL | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | - |
| ENCS | - |
| IECSC | Complies |
| KECI | Complies |
| PICCS | Complies |
| AIIC | 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. |
| AIIC | Australian Inventory of Chemical Substances. |
| NZIoC | New Zealand Inventory of Chemicals. |
| TCSI | Taiwan Chemical Substance Inventory |

U.S. Federal Regulations:**SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372: .

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Weight Percent</u> |
|-----------------------------|-----------------------|------------------------------|
| 2-(2-BUTOXYETHOXY)ETHANOL | 112-34-5 | 25-50 |

TOXIC SUBSTANCES CONTROL ACT 12(b):

This product does not contain any chemicals that are subject to the reporting requirements of TSCA 12(b).

ADDITIONAL INFORMATION

Additional Information - Sxn 15: No Information

CALIFORNIA PROPOSITION 65 CARCINOGENS

No Proposition 65 Carcinogens exist in this product.

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

16. Other Information

Revision Date: 7/25/2023 **Supersedes Date:** 4/18/2023

Reason for revision: Substance and/or Product Properties Changed in Section(s):
 14 - Transportation Information
 15 - Regulatory Information
 Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

| | | | | | | | |
|----------------|---|----------------------|---|-------------------------|---|-----------------------------|---|
| Health: | 2 | Flammability: | 2 | Physical Hazard: | 0 | Personal Protection: | X |
|----------------|---|----------------------|---|-------------------------|---|-----------------------------|---|

NFPA Ratings:

| | | | | | | | |
|----------------|---|----------------------|---|---------------------|---|---------------------------------|---|
| Health: | 2 | Flammability: | 2 | Instability: | 0 | Physical & Chemical: | - |
|----------------|---|----------------------|---|---------------------|---|---------------------------------|---|

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

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.