



# Safety Data Sheet

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

### 1.1 Product identifier.

**Product identifier.** 111197 /  
**Product name.** Professional Spot Lifter Biosolv  
**Pure substance/mixture.** No Information

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

**Recommended Use.** Professional Carpet Cleaning  
**Uses advised against.** Professional Use Only

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

**Supplier.** Legend Brands  
15180 Josh Wilson Road  
Burlington, WA 98233  
E-Mail: sds@legendbrands.com  
800-932-3030

Legend Brands Europe  
22 Plover Close Interchange Park  
Newport Pagnell MK069PS UK  
+44 (0) 1908 611211

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

**Europe** 112  
**Austria** +43 1 406 43 43  
**Belgium** Poison center (BE): +32 70 245 245  
**Denmark** Poison Control Hotline (DK): +45 82 12 12 12  
**Finland** Poison Information Centre (FI): +358 9 471 9773  
**France** ORFILA (FR): + 01 45 42 59 59  
**Germany** Poison Center Berlin (DE): +49 030 30686 790  
Poison Center Nord: +49 551 19240(24h available English / German)  
**Ireland** National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566  
**Iceland** +354 543 2222  
**Italy** Poison Center, Milan (IT): +39 02 6610 1029  
**Luxemborg** 112  
**Netherlands** National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available To health professionals)  
**Norway** Poisons Information (NO): + 47 22 591300  
**Portugal** Poison Information Center (PT): +351 800 250 250  
**Spain** Poison Information Service (ES): +34 91 562 04 20  
**Sweden** Poisons Information Center (SV): +46 8 33 12 31  
**Switzerland** Poison Center: Tel 145; +41 44 251 51 51  
**United Kingdom** 111 / 0300 020 0155

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture. (Regulation (EC) No 1272/2008)

Hazardous to the aquatic environment, Chronic, category 3  
Skin Sensitizer, category 1

### 2.2 Label elements.

**Signal Word**

Warning

**Hazardous components which must be listed on the label**

D-limonene

**Possible Hazards**

2.9% of the mixture consists of ingredients of unknown acute toxicity

2.9% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

**HAZARD STATEMENTS**

H412 Harmful to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

**LABEL PRECAUTIONARY STATEMENTS**

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

**PRECAUTIONARY STATEMENTS**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/ container to an approved waste disposal plant.

**2.3 Other hazards**

EMERGENCY OVERVIEW: No Information

**3. Composition/Information on Ingredients****3.1 Substances.**

This product is a mixture. Health hazard information is based on its components.

**3.2 Mixtures.**

CAS-No.	EC No.	REACH Reg No.	Wt. %	Chemical Name	Classification (1272/2008/EC)
7758-29-4	231-838-7	No Information	2.5-10	SODIUM TRIPOLYPHOSPHATE	No information
151-21-3	205-788-1	No Information	2.5-10	SODIUM LAURYL SULFATE	Acute Tox. 4 Oral (H302) Acute Tox. 1 Dermal (H310) Acute Tox. 4 Inhalation (H332) Aquatic Chronic 2 (H411)
29911-28-2	249-951-5	No Information	1.0-2.5	Dipropylene Glycol Butyl Ether	Aquatic Chronic 2 (H411) Eye Irrit. 2A (H319)
112-34-5	203-961-6	01-2119475104- 44-XXXX	1.0-2.5	2-(2-BUTOXYETHOXY) ETHANOL	Eye Irrit. 2A (H319)
5989-27-5	227-813-5	No Information	1.0-2.5	D-limonene	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
67784-80	No Information	No Information	1.0-2.5	Methyl Soyate	Acute Tox. 4 Dermal (H312)
66455-15-0	No Information	No Information	< 1.0	Alcohols, C10-14, ethoxylated	Eye Dam. 1 (H318) Acute Tox. 4 Inhalation (H332)
64742-48-9	265-150-3	No Information	< 1.0	Naphtha, petroleum, hydrotreated heavy	Asp. Tox. 1 (H304)
68551-12-2	No Information	No Information	< 1.0	Ethoxylated C12-16 Alcohols	No information

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 4. First-aid Measures

### 4.1 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.

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

No Information

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

High volume water jet.

### 5.2 Special hazards arising from the substance or mixture.

No information available.

### 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.

Use personal protection recommended in Section 8.

## 6. Accidental Release Measures

### 6.1 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.

### 6.2 Environmental precautions.

Prevent product from entering drains. 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. Pick up and transfer to properly labeled containers.

#### Methods for cleaning up.

Use personal protective equipment as required.

### 6.4 Reference to other sections

See section 8 for more information.

## 7. Handling and Storage

### 7.1 Precautions for safe handling.

#### Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice.

#### Hygiene measures.

See section 7 for more information.

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

#### Storage Conditions.

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

### 7.3 Specific end use(s)

#### Specific use(s)

No Information

#### Exposure scenario

No Information Available

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Exposure Limit Values

Chemical Name	Austria	Belguim	Denmark	European Union	Finland	France
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 68 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 68 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 68 mg/m <sup>3</sup>
D-limonene 5989-27-5					STEL: 50 ppm STEL: 280 mg/m <sup>3</sup> TWA: 25 ppm TWA: 140 mg/m <sup>3</sup>	
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	Netherlands
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	STEL: 15 ppm STEL: 100.5 mg/m <sup>3</sup> TWA: 67 mg/m <sup>3</sup> TWA: 10 ppm	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 100 mg/m <sup>3</sup> TWA: 50 mg/m <sup>3</sup>
D-limonene 5989-27-5	STEL: 20 ppm STEL: 112 mg/m <sup>3</sup> TWA: 5 ppm TWA: 28 mg/m <sup>3</sup>					
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	UK
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	STEL: 20 ppm STEL: 102 mg/m <sup>3</sup> TWA: 10 ppm TWA: 68 mg/m <sup>3</sup>	STEL: 101.2 mg/m <sup>3</sup> STEL: 15 ppm TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101 mg/m <sup>3</sup> TWA: 10 ppm TWA: 68 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>
D-limonene 5989-27-5	STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup> TWA: 25 ppm TWA: 140 mg/m <sup>3</sup>		TWA: 30 ppm TWA: 168 mg/m <sup>3</sup>		STEL: 14 ppm STEL: 80 mg/m <sup>3</sup> TWA: 7 ppm TWA: 40 mg/m <sup>3</sup>	

TWA: Time weighted average

STEL: Short term exposure limit

### Derived No Effect Level (DNEL)

No Information Available

**Predicted No Effect Level (PNEC)**

No Information Available

**8.2. Exposure controls.****Engineering Measures.**

Showers, eyewash stations, and ventilation systems.

**Personal protective equipment.****Eye/Face Protection.**

Safety glasses with side-shields.

**Hand Protection.**

Wear suitable protective clothing.

**Skin and body protection.**

No Information

**Respiratory protection.**

In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene measures.**

See section 7 for more information.

**Environmental Exposure Controls.**

No Information

**9. Physical and Chemical Properties****9.1 Information on basic physical and chemical properties.**

<b>Physical state</b>	Liquid
<b>Appearance</b>	Colored liquid
<b>Colour</b>	gold
<b>Odour</b>	Citrus
<b>Odour Threshold</b>	No Information
<b>pH</b>	8.9
<b>Melting point / freezing point (°C)</b>	No Information
<b>Flash Point, (°C)</b>	No Information
<b>Boiling point/range (°C)</b>	100 - 230
<b>Evaporation rate</b>	Faster than Diethyl Ether
<b>Combustibility</b>	Does not Support Combustion
<b>Upper/lower flammability or explosive limits</b>	No Information
<b>Vapour Pressure</b>	No Information
<b>Vapour density</b>	No Information
<b>Specific Gravity (g/cm<sup>3</sup>)</b>	1.038
<b>Solubility in / Miscibility with Water</b>	No Information
<b>Partition Coefficient: n-octanol/water</b>	No Information
<b>Auto-Ignition Temperature (°C)</b>	No Information
<b>Decomposition temperature (°C)</b>	No Information
<b>Viscosity</b>	No Information
<b>Oxidising properties</b>	Not Applicable

**9.2 Other information.**

<b>Volatile Organic Compounds (VOC) content</b>	<5%
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(See section 16 for abbreviation legend)

**10. Stability and Reactivity****10.1 Reactivity.**

Stable under normal conditions.

**10.2 Chemical stability.**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions.**

None known based on information supplied.

**10.4 Conditions to Avoid.**

None known.

**10.5 Incompatible Materials.**

None known based on information supplied.

**10.6 Hazardous Decomposition Products.**

None known.

**11. Toxicological Information****11.1 Information on toxicological effects****Acute Toxicity****Product Information**

<b>LD50 Oral</b> 10,918.00	<b>LD50 Dermal</b> 112,528.00	<b>LC50 Inhalation</b> 1,629.00
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The following values are calculated based on chapter 3.1 Of the GHS document

<b>ATEmix (oral)</b>	10,918.0 mg/kg
<b>ATEmix (dermal)</b>	112,528.0 mg/kg
<b>ATEmix (inhalation - vapor)</b>	1,629.00 mg/l

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
151-21-3	SODIUM LAURYL SULFATE	1288 mg/kg Rat	200 mg/kg Rabbit	>3.9 mg/L Rat
112-34-5	2-(2-BUTOXYETHOXY)ETHANOL	5660 mg/kg Rat	2700 mg/kg Rabbit	N.I.
5989-27-5	D-limonene	5200 mg/kg, 4400 mg/kg Rat	>5000 mg/kg Rabbit	N.I.
67784-80	Methyl Soyate	5000	2000	N.I.

N.I. = No Information

**Skin corrosion/irritation.**

SKIN IRRITANT.

**12. Ecological Information****12.1 Toxicity**

6.18% 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
SODIUM LAURYL SULFATE 151-21-3	EC50 72 h <i>Desmodesmus subspicatus</i> 53 mg/L, EC50 96 h <i>Desmodesmus subspicatus</i> 30 - 100 mg/L, EC50 96 h <i>Pseudokirchneriella subcapitata</i> 117 mg/L, EC50 96 h <i>Pseudokirchneriella subcapitata</i> 3.59 - 15.6 mg/L	LC50 96 h <i>Pimephales promelas</i> 15 - 18.9 mg/L, LC50 96 h <i>Pimephales promelas</i> 8 - 12.5 mg/L, LC50 96 h <i>Pimephales promelas</i> 22.1 - 22.8 mg/L, LC50 96 h <i>Oncorhynchus mykiss</i> 4.3 - 8.5 mg/L, LC50 96 h <i>Oncorhynchus mykiss</i> 4.62 mg/L, LC50 96 h <i>Oncorhynchus mykiss</i> 4.2 mg/L, LC50 96 h <i>Brachydanio rerio</i> 7.97 mg/L, LC50 96 h <i>Brachydanio rerio</i> 9.9 - 20.1 mg/L, LC50 96 h <i>Lepomis macrochirus</i> 4.06 - 5.75 mg/L, LC50 96 h <i>Lepomis macrochirus</i> 4.2 - 4.8 mg	EC50 48 h <i>Daphnia magna</i> 1.8 mg/L
Dipropylene Glycol Butyl Ether 29911-28-2	-	LC50 96 h <i>Poecilia reticulata</i> 841 mg/L	-

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
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	-
sodium citrate 68-04-2	-	LC50 96 h <i>Poecilia reticulata</i> 18000 - 32000 mg/L	EC50 48 h <i>Daphnia magna</i> 5600 - 10000 mg/L
Naphtha, petroleum, hydrotreated heavy 64742-48-9	-	LC50 96 h <i>Pimephales promelas</i> 2200 mg/L	-

**12.2. Persistence and degradability.**

No data are available on the product itself

**12.3. Bioaccumulative potential.**

Discharge into the environment must be avoided.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Bio. Conc. Factor (BCF)</u>	<u>Octanol-water par. Coeff (KOW)</u>
151-21-3	SODIUM LAURYL SULFATE	N.I.	1.6

**12.4 Mobility in soil.****Mobility in soil.**

No information available

**Mobility**

No information available

**12.5 Results of PBT and vPvB assessment.**

No data are available on the product itself

**12.6 Other adverse effects.**

No information available

## 13. Disposal Considerations

**13.1 Waste treatment methods.****Waste from residues /unused products**

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

**Contaminated packaging**

No Information

**Other information**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

## 14. Transport Information

**ADR**

14.1 UN number:	No Information
14.2 Proper shipping name:	not regulated
14.3 Hazard class(es):	No Information
14.4 Packing group:	No Information
14.5 Environmental hazards:	No Information
14.6 Special provisions:	No Information

**IMDG**

14.1 UN number:	No Information
14.2 Proper shipping name:	not regulated
14.3 Hazard class(es):	No Information
14.4 Packing group:	No Information
14.5 Marine pollutant:	No Information
Environmental hazards:	No Information

14.6 Special provisions: No Information

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: No Information

#### IATA

14.1 UN number: No Information

14.2 Proper shipping name: No Information

14.3 Hazard class(es): No Information

14.4 Packing group: No Information

14.5 Environmental hazards: No Information

14.6 Special provisions: No Information

## 15. Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation for the substance or mixture:

#### National regulatory information

German WGK classification: 3

Remarks: WGK 0 = in general not a water pollutant  
WGK 1 = weak water pollutant  
WGK 2 = water pollutant  
WGK 3 = severe water pollutant

#### CAS/Chemical Name

112-34-5 2-(2-BUTOXYETHOXY)ETHANOL

#### French RG number

RG 84

#### Title

Diseases caused by liquid organic solvents for professional use. Health effects caused by professional use of liquid organic solvents (indicated in the table).  
Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them  
Diseases caused by liquid organic solvents for professional use. Health effects caused by professional use of liquid organic solvents (indicated in the table).  
Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them  
Diseases caused by liquid organic solvents for professional use. Health effects caused by professional use of liquid organic solvents (indicated in the table).  
Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them

5989-27-5

D-limonene

RG 84

64742-48-9

Naphtha, petroleum, hydrotreated heavy

RG 84

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work



**Persistent Organic Pollutants**

Not applicable

**Authorizations (Annex XIV) and/or restrictions on use (Annex XVII), Regulation (CE) 1907/2006**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Annex XIV Authorisation List</u>	<u>Annex XVII Restricted list</u>
112-34-5	2-(2-BUTOXYETHOXY)ETHANOL	No	Yes
64742-48-9	Naphtha, petroleum, hydrotreated heavy	No	Yes

**EU Substances of Very High Concern**

<u>CAS-No.</u>	<u>Chemical Name</u>
No items on this list exist.	

**International Inventories**

TSCA	Complies
DSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AICS	-
NZIoC	-

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.
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 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

**16. Other Information**

<b>Revision Date</b>	5/25/2021	<b>Supersedes Date</b>	7/20/2020
<b>Reason for revision</b>	Substance and/or Product Properties Changed in Section(s): 01 - Product Information 02 - Hazards Identification 03 - Composition/Information on Ingredients 08 - Exposure Controls/Personal Protection 14 - Transportation Information Revision Statement(s) Changed		

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006