



# Safety Data Sheet

## 1. Identification

<b>Product Information.</b>	101383
<b>Product Name:</b>	Biosolv Booster Additive
<b>Recommended Use.</b>	Professional Carpet Cleaning
<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).

Aspiration Hazard, category 1  
Flammable Liquid, category 3  
Skin Irritation, category 2  
Skin Sensitizer, category 1

### GHS Pictograms



**Signal Word**  
Danger

**Unknown Acute Toxicity**  
45.6% of the mixture consists of ingredient(s) of unknown acute toxicity

### HAZARD STATEMENTS

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

### Precautionary Statements - Prevention.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment.

Use explosion-proof electrical equipment.  
 Use non-sparking tools.  
 Take action to prevent static discharges.  
 Avoid breathing dust/fume/gas/mist/vapours/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 SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 IF ON SKIN: Wash with plenty of soap and water.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 Specific treatment (If applicable, see any additional instructions on the label).  
 Do NOT induce vomiting.  
 If skin irritation occurs: Get medical advice/attention.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.  
 In case of fire: Use carbon dioxide to extinguish.

#### Precautionary Statements - Storage.

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

#### 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>
D-limonene	5989-27-5	30-60	
Benzenesulfonic acid, dodecyl-, branched, compd. with 2-propanamine	90218-35-2	3-7	
	proprietary	0.1-1.0	

### 4. First-aid Measures

#### Description of first-aid measures.

##### **General advice.**

Call a physician if irritation develops or persists. Show this safety data sheet to the doctor in attendance.  
 When symptoms persist or in all cases of doubt seek medical advice.

##### **Inhalation.**

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

##### **Skin contact.**

If skin irritation persists, call a physician. 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. Call a physician if irritation develops or persists. Remove contact lenses, if present.

##### **Ingestion.**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately. 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.**

Water spray. Foam. Dry powder. Dry chemical. Alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO<sub>2</sub>).

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

High volume water jet.

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

Hazardous decomposition products formed under fire conditions. Flash back possible over considerable distance.

### 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.**

Remove all sources of ignition. Use personal protection recommended in Section 8.

### Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. 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. Use personal protective equipment. Remove all sources of ignition.

#### **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. Keep away from sources of ignition - No smoking.

#### **Hygiene measures.**

See section 7 for more information.

#### **Storage Conditions.**

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

## 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>
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Contains no substances with occupational exposure limit values.

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	Clear
Color	Orange
Odor	Orange
Odor Threshold	No Information
pH	No Information
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	52 (125.60)
Boiling point/boiling range., °C (°F)	176 - 176 (348.8 - 348.8)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm <sup>3</sup> )	1.000
Water solubility.	Miscible 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.	No Information
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.**

Strong oxidizing agents.

**Incompatible Materials.**

None known based on information supplied.

**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****Information on toxicological effects.**

Acute toxicity.

**Product Information**

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 29,301.1 mg/kg

**Component Information.**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
5989-27-5	D-limonene	5200 mg/kg, 4400 mg/kg Rat	>5000 mg/kg Rabbit	N.I.
90218-35-2	Benzenesulfonic acid, dodecyl-, branched, compd. with 2-propanamine	1635 mg/kg Rat	N.I.	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

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
5989-27-5	D-limonene	IARC Group 3	-	-

**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.**

6.07% of the mixture consists of ingredient(s) of unknown aquatic toxicity

**Ecotoxicity effects.**

<u>Chemical Name</u>	<u>Toxicity to algae</u>	<u>Toxicity to fish</u>	<u>Toxicity to daphnia and other aquatic invertebrates</u>
D-limonene 5989-27-5	-	LC50 96 h Pimephales promelas 0.619 - 0.796 mg/L, LC50 96 h Oncorhynchus mykiss 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.**  
5989-27-5**Chemical Name**  
D-limonene**log POW**  
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:** Flammable Liquid, N.O.S. (D'LIMONENE)  
**Hazard Class:** 3  
**UN/NA Number:** 1993  
**Packing Group:** III  
**Additional Information:** Not regulated (if shipped in NON BULK packaging by ground transport)  
 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.

**IMDG**

**Proper Shipping Name:** Flammable Liquid, N.O.S. (D'LIMONENE)  
**Hazard Class:** 3  
**UN Number:** 1993  
**Packing Group:** III  
**Additional Information:** Limited quantity if shipped 5 L or less

**IATA**

Air transportation is not recommended.

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

TSCA	Complies
DSL	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	-
IECSC	-
KECI	-
PICCS	-
AIC	-
NZIoC	-
TCSI	

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(b) Inventory.
<b>DSL</b>	Canadian Domestic Substances List.
<b>DSL/NDL</b>	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
<b>EINECS/ELINCS</b>	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
<b>ENCS</b>	Japan Existing and New Chemical Substances.
<b>IECSC</b>	China Inventory of Existing Chemical Substances.
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances.
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances.
<b>AIC</b>	Australian Inventory of Chemical Substances.
<b>NZIoC</b>	New Zealand Inventory of Chemicals.
<b>TCSI</b>	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** B2,D2B

**16. Other Information**

**Revision Date:** 5/8/2023 **Supersedes Date:** 9/19/2022

**Reason for revision:** Revision Description Changed  
Product Composition Changed  
Substance CAS Number Changed  
Substance and/or Product Properties Changed in Section(s):  
02 - Hazards Identification  
12 - Ecological Information  
Revision Statement(s) Changed

**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

<b>Health:</b>	2	<b>Flammability:</b>	2	<b>Physical Hazard:</b>	0	<b>Personal Protection:</b>	X
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**NFPA Ratings:**

<b>Health:</b>	2	<b>Flammability:</b>	2	<b>Instability:</b>	0	<b>Physical &amp; Chemical:</b>	-
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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.