



# Safety Data Sheet

## 1. Identification

**Product Information.** 104112-103945

**Product Name:** DynaForce 77 Biosolv

**Recommended Use.** Professional Carpet Cleaning

**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**

14.7% 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**

<b><u>Chemical Name</u></b>	<b><u>CAS-No.</u></b>	<b><u>Wt. %</u></b>
ALCOHOLS, C6 -C12, ETHOXYLATED	68439-45-2	2.5-10
SODIUMXYLENE SULFONATE	1300-72-7	2.5-10
Sodium carbonate	497-19-8	2.5-10
TETRASODIUM EDTA	64-02-8	2.5-10
ALCOHOLS, C10-16, ETHOXYLATED	68002-97-1	1.0-2.5
SODIUM (C14-16) OLEFIN SULFONATE	68439-57-6	1.0-2.5
D-limonene	5989-27-5	0.1-1.0
Alcohols, C10-14, ethoxylated	66455-15-0	0.1-1.0
Phosphoric acid	7664-38-2	0.1-1.0

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>
Phosphoric acid	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	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>	Clear liquid
<b>Color</b>	Yellow

Odor	Citrus
Odor Threshold	No Information
pH	10.4
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	94 (201.20)
Boiling point/boiling range., °C (°F)	100 - 1,390 (212 - 2534)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm <sup>3</sup> )	1.109
Water solubility.	completely soluble
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.	< 1%
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	LD50 Dermal	LC50 Inhalation (Vapor)
2,711.00 mg/kg	548,780.00 mg/kg	34,483.00 mg/l

**Component Information.**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
68439-45-2	ALCOHOLS, C6 -C12, ETHOXYLATED	N.I.	2500	N.I.
1300-72-7	SODIUMXYLENE SULFONATE	1000 mg/kg Rat	>2000 mg/kg Rabbit	N.I.
497-19-8	Sodium carbonate	4090 mg/kg Rat	2002	0.8 mg/l Guinea pig (Dust)
64-02-8	TETRASODIUM EDTA	1658 mg/kg Rat	N.I.	N.I.
68439-57-6	SODIUM (C14-16) OLEFIN SULFONATE	2220 mg/kg Rat	6300	N.I.

5989-27-5	D-limonene	5200 mg/kg, 4400 mg/kg Rat	>5000 mg/kg Rabbit	N.I.
7664-38-2	Phosphoric acid	1530 mg/kg Rat	2740 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****IARC****NTP****OSHA**

5989-27-5

D-limonene

IARC Group 2A, IARC Group 3

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**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.**

19.34% 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 carbonate 497-19-8	-	LC50 96 h Lepomis macrochirus 300 mg/L, LC50 96 h Pimephales promelas 310 - 1220 mg/L	EC50 48 h Daphnia magna 265 mg/L
TETRASODIUM EDTA 64-02-8	-	LC50 96 h Lepomis macrochirus 41 mg/L, LC50 96 h Pimephales promelas 59.8 mg/L	-
SODIUM (C14-16) OLEFIN SULFONATE 68439-57-6	-	LC50 96 h Brachydanio rerio 1.0 - 10.0 mg/L, LC50 96 h Brachydanio rerio 12.2 mg/L	-
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.****Chemical Name****log POW**

1300-72-7

SODIUMXYLENE SULFONATE

-3.12

68439-57-6

SODIUM (C14-16) OLEFIN SULFONATE

-1.3

5989-27-5

D-limonene

4.38

7664-38-2

Phosphoric acid

-0.9

**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/NDL Complies

EINECS/ELINCS -

ENCS -

IECSC Complies

KECI -

PICCS Complies

AIIIC Complies

NZIoC Complies

**TCSI**

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

DSL Canadian Domestic Substances List.

DSL/NDL 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.

AIIIC 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 does not contain any chemicals that are subject to the reporting requirements of SARA 313.

**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



### WARNING

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

#### Chemical Name

Ethylene oxide  
1,4-DIOXANE

#### CAS-No.

75-21-8  
123-91-1

## CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS



### WARNING

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

#### Chemical Name

METHANOL  
Ethylene oxide

#### CAS-No.

67-56-1  
75-21-8

## 16. Other Information

**Revision Date:** 7/20/2023 **Supersedes Date:** 10/14/2022

**Reason for revision:** Substance and/or Product Properties Changed in Section(s):  
12 - Ecological Information  
15 - Regulatory Information  
Substance CAS Number Changed  
Revision Statement(s) Changed

**Datasheet produced by:** Regulatory Department

#### HMIS Ratings:

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

<b>Health:</b>	2	<b>Flammability:</b>	0	<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.