



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

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

This product is not classified as hazardous according to GHS classification criteria.

GHS Pictograms

None required.

Signal Word

Not required.

Unknown Acute Toxicity

14.7% of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/Information on Ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>HMIRA</u> |
|----------------------------------|----------------|--------------|--------------|
| ALCOHOLS, C6 -C12, ETHOXYLATED | 68439-45-2 | 5-10 | |
| SODIUMXYLENE SULFONATE | 1300-72-7 | 3-7 | |
| Sodium carbonate | 497-19-8 | 3-7 | |
| TETRASODIUM EDTA | 64-02-8 | 1-5 | |
| ALCOHOLS, C10-16, ETHOXYLATED | 68002-97-1 | 1-5 | |
| SODIUM (C14-16) OLEFIN SULFONATE | 68439-57-6 | 0.5-1.5 | |
| 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 | |

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 ³ | 3 mg/m ³ | 1 mg/m ³ | 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 | Clear liquid |
| Color | 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 ³) | 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
2,711.00 mg/kg

LD50 Dermal
548,780.00 mg/kg

LC50 Inhalation (Vapor)
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

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>IARC</u> | <u>NTP</u> | <u>OSHA</u> |
|----------------|----------------------|--------------------------------|------------|-------------|
| 5989-27-5 | D-limonene | IARC Group 2A, 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.**

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.

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>log POW</u> |
|----------------|----------------------------------|----------------|
| 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/NDSL | Complies |
| EINECS/ELINCS | - |
| ENCS | - |
| IECSC | Complies |
| KECI | - |
| 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 |

CANADIAN WHMIS:

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

WHMIS Class D2B

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):
 03 - Composition/Information on Ingredients
 12 - Ecological Information
 15 - Regulatory Information
 Substance CAS Number Changed
 Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

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

NFPA Ratings:

| | | | | | | | |
|---------|---|---------------|---|--------------|---|----------------------|---|
| Health: | 2 | Flammability: | 0 | 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.