

# SAFETY DATA SHEET



Revision Date 31-Mar-2017  
Version 1.04

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

### 1.1 Product identifier

Product name DynaForce 77, BioSolv  
Product code W.20290

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

Recommended Use Professional Carpet Cleaning  
Restrictions on use Professional Use Only

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

Supplier Legend Brands  
Chemspec  
15180 Josh Wilson Road  
Burlington, WA 98233  
800-932-3030

Legend Brands  
4520 Eastgate Parkway  
Mississauga, ON L4W 3W6  
800-932-3030

E-mail Address msds@chemspecworld.com

### 1.4 Emergency telephone number

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

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910.1200

Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1

### 2.2 Label elements

#### Signal Word

Warning

#### Hazard Statements

Causes serious eye irritation  
May cause an allergic skin reaction

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves/clothing and eye/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of water and soap  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**2.3. Other Hazards Hazards not otherwise classified (HNOC)**

Not Applicable

**2.4 Other information**

Not Applicable

**Unknown Acute Toxicity**

< 1% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/Information on Ingredients

**Substance****Mixture**

Chemical Name	CAS No.	Weight-%
SODIUMXYLENE SULFONATE	1300-72-7	5 - 10
Alcohols, C6-C12, Ethoxylated, propoxylated	68937-66-6	5 - 10
Sodium carbonate	497-19-8	5 - 10
Alcohols, C10-C16, ethoxylated, propoxylated	69227-22-1	1 - 5
C6-12 ALKLYL ALCOHOL ETHOXYLATE	68921-24-4	1 - 5
PHOSPHORIC ACID		
Ethoxylated Lauryl Alcohol	9002-92-0	1 - 5
TETRASODIUM EDTA	64-02-8	1 - 5
D-limonene	5989-27-5	< 1

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

### 4. First aid measures

**4.1 Description of first-aid measures****General advice**

Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.

**Eye contact**

Remove contact lenses, if present. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**Skin contact**

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and

shoes. Use a mild soap if available. If skin irritation persists, call a physician.

**Inhalation**

Move to fresh air. Consult a physician after significant exposure.

**Ingestion**

Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Get medical attention immediately.

**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 water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

**Unsuitable Extinguishing Media** None.

**5.2 Special hazards arising from the substance or mixture****Special Hazard**

Hazardous decomposition products formed under fire conditions. Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product.

**Hazardous Combustion Products** No information available.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**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.

## 6. Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing.

**6.2 Environmental precautions**

Prevent product from entering drains. Do not allow material to contaminate ground water system.

**6.3 Methods and materials for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

## 7. Handling and storage

### **7.1 Precautions for safe handling**

<b>Advice on safe handling</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in area provided with appropriate exhaust ventilation.
<b>Hygiene measures</b>	When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

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

<b>Storage Conditions</b>	Keep locked up or in an area accessible only to qualified or authorized persons. Keep tightly closed in a dry, cool and well-ventilated place. Protect from frost.
<b>Materials to Avoid</b>	Strong oxidizing agents.

## **8. Exposure controls/personal protection**

### **8.1 Exposure Guidelines**

### **8.2 Appropriate engineering controls**

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems.
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### **8.3 Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Long sleeved clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation wear suitable respiratory equipment.
<b>Hygiene measures</b>	See section 7 for more information

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Color</b>	Yellow
<b>Appearance</b>	Clear liquid	<b>Odor Threshold</b>	No information available
<b>Odor</b>	Citrus		

Property	Values	Remarks • Methods
pH	10.4	
Melting/freezing point		No information available
Boiling point/boiling range		No information available
Flash Point	> 94 °C / > 201 °F	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	1.109 g/cc	
Water solubility	completely soluble	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### 9.2 Other information

**Volatile organic compounds (VOC) content** < 1%

## 10. Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to Avoid

Direct sources of heat.

### 10.5 Incompatible Materials

Strong oxidizing agents.

### 10.6 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

### 11.1 Acute toxicity

#### Numerical measures of toxicity: Product Information

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

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

<b>Oral LD50</b>	3,364.00 mg/kg
<b>Dermal LD50</b>	8,176.00 mg/kg
<b>LC50 (Dust/Mist)</b>	16.70 mg/l
<b>LC50 (Vapor)</b>	476.00 mg/l

#### Numerical measures of toxicity: Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
SODIUMXYLENE SULFONATE 1300-72-7	1000 mg/kg ( Rat )	-	-
Sodium carbonate 497-19-8	4090 mg/kg ( Rat )	-	= 2300 mg/m <sup>3</sup> ( Rat ) 2 h
TETRASODIUM EDTA 64-02-8	1658 mg/kg ( Rat )	-	-
D-limonene 5989-27-5	4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-

### 11.2 Information on toxicological effects

#### Skin corrosion/irritation

##### Product Information

- No information available

##### Component Information

- No information available

#### Serious eye damage/eye irritation

##### Product Information

- May cause eye irritation

##### Component Information

- No information available

#### Respiratory or skin sensitization

##### Product Information

- No information available

##### Component Information

- No information available

#### Germ cell mutagenicity

##### Product Information

- No information available

##### Component Information

- No information available

#### Carcinogenicity

##### Product Information

- The table below indicates whether each agency has listed any ingredient as a carcinogen

##### Component Information

- Contains a known or suspected carcinogen

**Reproductive toxicity**Product Information

- No information available

Component Information

- No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

No information available

**Other adverse effects**Product Information

- No information available

Component Information

- No information available

**Aspiration hazard**Product Information

- No information available

Component Information

- No information available

## 12. Ecological information

**12.1 Toxicity****Ecotoxicity**

No information available

23.66859 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

**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 static LC50: 96 h Pimephales promelas 310 - 1220 mg/L static	EC50: 48 h Daphnia magna 265 mg/L
TETRASODIUM EDTA 64-02-8	EC50: 72 h Desmodesmus subspicatus 1.01 mg/L	LC50: 96 h Lepomis macrochirus 41 mg/L static LC50: 96 h Pimephales promelas 59.8 mg/L static	-
D-limonene 5989-27-5	-	LC50: 96 h Pimephales promelas 0.619 - 0.796 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 35 mg/L	-

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

Discharge into the environment must be avoided

## 13. Disposal Considerations

### 13.1 Waste treatment methods

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

## 14. Transport Information

**DOT** Not regulated

**MEX** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

## 15. Regulatory information

### 15.1 International Inventories

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	Complies

**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

**PICCS** - Philippines Inventory of Chemicals and 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 U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### 15.3 Pesticide Information

Not applicable

### 15.4 U.S. State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
METHANOL - 67-56-1	Developmental
Nitilotriacetic acid - 139-13-9	Carcinogen



1,4-DIOXANE - 123-91-1	Carcinogen
Acetaldehyde - 75-07-0	Carcinogen
Ethylene oxide - 75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive

## 16. Other information

<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard 2</b>	<b>Flammability 1</b>	<b>Physical Hazard 0</b>	<b>Personal protection X</b>

### Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)

Ceiling (C)

DOT (Department of Transportation)

EPA (Environmental Protection Agency)

IARC (International Agency for Research on Cancer)

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG)

NIOSH (National Institute for Occupational Safety and Health)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

PEL (Permissible Exposure Limit)

Reportable Quantity (RQ)

Skin designation (S\*)

STEL (Short Term Exposure Limit)

TLV® (Threshold Limit Value)

TWA (time-weighted average)

**Prepared By** Chemspec Regulatory Affairs/Product Safety

**Revision Date** 31-Mar-2017

### Revision Note

No information available

### Disclaimer

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.

**End of Safety Data Sheet**