

# SAFETY DATA SHEET



Revision Date 29-Aug-2017  
Version 4

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

### 1.1 Product identifier

Product name                      FORMULA 161 BIOSOLV  
Product code                      W.20155

### 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

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

Carcinogenicity	Category 2
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### 2.2 Label elements

**Signal Word**  
Warning

**Hazard Statements**  
Suspected of causing cancer



**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**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-%
Dipropylene Glycol Butyl Ether	29911-28-2-LB	1 - 5
COCAMIDE DEA	68603-42-9-LB	1 - 5

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

### 4. First aid measures

**4.1 Description of first-aid measures**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Remove contact lenses, if present. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	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**

Water spray. Foam. Dry powder.

**Unsuitable Extinguishing Media** None.

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

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.

**6.2 Environmental precautions**

Dike to collect large liquid spills.

**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**

**Advice on safe handling** Wear personal protective equipment.

**Hygiene measures** When using, do not eat, drink or smoke.

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

**Storage Conditions** Use only in area provided with appropriate exhaust ventilation. Keep tightly closed in a dry and cool place.

**Materials to Avoid** Strong oxidizing agents.

**8. Exposure controls/personal protection****8.1 Exposure Guidelines****8.2 Appropriate engineering controls**

**Engineering Measures**  
Showers  
Eyewash stations  
Ventilation systems.

### **8.3 Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and body protection** Long sleeved clothing.  
**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.  
**Hygiene measures** 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	<b>Odor Threshold</b>	No information available
<b>Odor</b>	Citrus Ammonia		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Methods</u></b>
<b>pH</b>	9.2-9.8	
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		No information available
<b>Flash Point</b>	> 94 °C / > 201 °F	
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
<b>upper flammability limit</b>		No information available
<b>lower flammability limit</b>		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>	1.050	
<b>Water solubility</b>		No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Viscosity, dynamic</b>		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** <10%

## **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

**Oral LD50** 27,604.00 mg/kg  
**Dermal LD50** 40,679.00 mg/kg

**Numerical measures of toxicity: Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dipropylene Glycol Butyl Ether 29911-28-2-LB	-	-	> 2.0 mg/L (aerosol)( Rat ) 4 h

**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

- No information available

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

Chemical Name	ACGIH	IARC	NTP	OSHA
COCAMIDE DEA 68603-42-9-LB	-	Group 2B	-	

**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

8.278904 % of the mixture consists of component(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
Dipropylene Glycol Butyl Ether 29911-28-2-LB	-	LC50: 96 h Poecilia reticulata 841 mg/L static	-
COCAMIDE DEA 68603-42-9-LB	-	LC50: 96 h Brachydanio rerio 3.6 mg/L semi-static	-

**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**

No information available

## **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**

<b><u>DOT</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated
<b><u>IATA</u></b>	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>	-
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	-

**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
COCAMIDE DEA - 68603-42-9-LB	Carcinogen
Diethanolamine - 111-42-2	Carcinogen
Styrene monomer - 100-42-5	Carcinogen

### 16. Other information

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

**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)

**Revision Date** 29-Aug-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**