

# Safety Data Sheet



Revision Date 24-Jan-2017  
Version 1.04

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

### 1.1 Product identifier

Product name Encap Brite

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

Recommended Use Professional Carpet Cleaning

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

Supplier Legend Brands Europe  
Chemspec  
22 Plover Close Interchange Park  
Newport Pagnell MK16 9PS, UK  
+44 (0) 1908 611211

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

For further information, please contact: [msds@chemspecworld.com](mailto:msds@chemspecworld.com)

### 1.4 Emergency telephone number

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

Europe 112  
Austria +43 1 406 43 43  
Belgium Poison center (BE): +32 70 245 245  
Denmark Poison Control Hotline (DK): +45 82 12 12 12  
Finland Poison Information Centre (FI): +358 9 471 977  
France ORFILA (FR): + 01 45 42 59 59  
Germany Poison Center Berlin (DE): +49 030 30686 790  
Poison Center Nord: +49 551 19240 (24h available English / German)  
Ireland National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566  
Iceland +354 543 2222  
Italy Poison Center, Milan (IT): +39 02 6610 1029  
Luxembourg 112  
Netherlands National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)  
Norway Poisons Information (NO): + 47 22 591300  
Portugal Poison Information Center (PT): +351 21 330 3284  
Spain Poison Information Service (ES): +34 91 562 04 20  
Sweden Poisons Information Center (SV): +46 8 33 12 31  
Switzerland Poison Center: Tel 145; +41 44 251 51 51  
United Kingdom 111

## 2. Hazards identification

**2.1 Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

Skin sensitization	Category 1 - (H317)
Chronic aquatic toxicity	Category 2 - (H411)

**2.2 Label elements****Signal Word**

Warning

**Hazard Statements**

H317 - May cause an allergic skin reaction

H411 - Toxic to aquatic life with long lasting effects

**Precautionary Statements - EU (§28, 1272/2008)**

P280 - Wear eye protection/ face protection

Contains D-limonene

**2.3. Other Hazards**

No information available

**3. Composition/information on ingredients****3.1 Substances**

This product is a mixture. Health hazard information is based on its components.

**3.2 Mixtures**

Chemical Name	EC-No	CAS-No	Weight %	Classification (1272/2008/EC)	REACH Registration Number
1-METHOXY-2-PROPANOL	203-539-1	107-98-2	2.5 - 10	STOT SE 3 (H336) Flam. Liq. 3 (H226)	01-2119457435-35-XX XX
D-limonene	227-813-5	5989-27-5	2.5 - 10	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam Liq. 3 (H226)	no data available
Methoxy-1-Propanol	216-455-5	1589-47-5	< 0.1	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Repr. 1B (H360D) STOT SE 3 (H335) Flam. Liq. 3 (H226)	no data available
Ammonium hydroxide	215-647-6	1336-21-6	< 0.1	Skin Corr. 1B (H314)	no data available

				Aquatic Acute 1 (H400)	
POLY(OXY-1,2-ETHANEDIYL , A-HYDRO-O-HYDROXY-	-	25322-68-3	< 0.1	NA	no data available

**For the full text of the H-Statements mentioned in this Section, see Section 16**

## 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>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
<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>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** No information available.

### 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.

**Extinguishing media which shall not be used for safety reasons**  
No information available.

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

Hazardous decomposition products formed under fire conditions.

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

## 6. Accidental Release Measures

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

**Personal precautions**  
Use personal protective equipment.

**Advice for emergency responders**  
For personal protection see section 8.

### 6.2 Environmental precautions

Dike to collect large liquid spills. See Section 12 for additional Ecological information.

### **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 and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

### **6.4 Reference to other sections**

See section 8 for more information.

## **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.

### **7.3 Specific end uses**

#### **Specific use(s)**

No information available

#### **Exposure scenario**

No information available.

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

### **8.1 Control parameters**

#### **Exposure Limit Values**

<b>Chemical Name</b>	<b>European Union</b>	<b>Austria</b>	<b>Belgium</b>	<b>Denmark</b>	<b>Finland</b>	<b>France</b>
1-METHOXY-2-PROP ANOL 107-98-2	S* TWA 100 ppm TWA 375 mg/m <sup>3</sup> STEL 150 ppm STEL 568 mg/m <sup>3</sup>	Skin STEL 50 ppm STEL 187 mg/m <sup>3</sup> TWA: 50 ppm TWA: 187 mg/m <sup>3</sup> Ceiling 50 ppm Ceiling 187 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> S* STEL: 150 ppm STEL: 568 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 185 mg/m <sup>3</sup> Skin	TWA: 100 ppm TWA: 370 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup> Skin	TWA: 50 ppm TWA: 188 mg/m <sup>3</sup> STEL: 100 ppm STEL: 375 mg/m <sup>3</sup>
D-limonene 5989-27-5					TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup>	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>
Methoxy-1-Propanol 1589-47-5		Skin STEL 80 ppm STEL 300 mg/m <sup>3</sup> TWA: 20 ppm TWA: 75 mg/m <sup>3</sup>		TWA: 20 ppm TWA: 75 mg/m <sup>3</sup>		
Ammonium hydroxide 1336-21-6					STEL: 50 ppm STEL: 36 mg/m <sup>3</sup>	
POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY-		STEL 4000 mg/m <sup>3</sup> TWA: 1000 mg/m <sup>3</sup>				

25322-68-3						
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
1-METHOXY-2-PROP ANOL 107-98-2	TWA: 100 ppm TWA: 370 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 185 mg/m <sup>3</sup> S* Ceiling: 100 ppm Ceiling: 370 mg/m <sup>3</sup> STEL: 150 ppm STEL: 568 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 568 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 100 ppm STEL: 368 mg/m <sup>3</sup> TWA: 50 ppm TWA: 184 mg/m <sup>3</sup> STEL: 150 ppm STEL: 568 mg/m <sup>3</sup> Skin	S* STEL: 150 ppm STEL: 568 mg/m <sup>3</sup> TWA: 100 ppm TWA: 375 mg/m <sup>3</sup>	Skin STEL: 563 mg/m <sup>3</sup> TWA: 375 mg/m <sup>3</sup>
D-limonene 5989-27-5	TWA: 5 ppm TWA: 28 mg/m <sup>3</sup> Skin					
Methoxy-1-Propanol 1589-47-5	TWA: 5 ppm TWA: 19 mg/m <sup>3</sup> Skin	TWA: 20 ppm TWA: 75 mg/m <sup>3</sup> S* Ceiling: 40 ppm Ceiling: 150 mg/m <sup>3</sup>				
POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY- 25322-68-3	TWA: 1000 mg/m <sup>3</sup>					
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
1-METHOXY-2-PROP ANOL 107-98-2	TWA: 50 ppm TWA: 180 mg/m <sup>3</sup> Skin STEL: 75 ppm STEL: 225 mg/m <sup>3</sup>	STEL: 150 ppm STEL: 568 mg/m <sup>3</sup> TWA: 100 ppm TWA: 375 mg/m <sup>3</sup>	S* STEL: 150 ppm STEL: 568 mg/m <sup>3</sup> TWA: 100 ppm TWA: 375 mg/m <sup>3</sup>	LLV: 50 ppm LLV: 190 mg/m <sup>3</sup> S* STV: 75 ppm STV: 300 mg/m <sup>3</sup>	STEL: 200 ppm STEL: 720 mg/m <sup>3</sup> TWA: 100 ppm TWA: 360 mg/m <sup>3</sup>	STEL: 150 ppm STEL: 560 mg/m <sup>3</sup> TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> Skin
D-limonene 5989-27-5	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>				STEL: 14 ppm STEL: 80 mg/m <sup>3</sup> TWA: 7 ppm TWA: 40 mg/m <sup>3</sup>	
Methoxy-1-Propanol 1589-47-5	TWA: 20 ppm TWA: 75 mg/m <sup>3</sup> Skin STEL: 30 ppm STEL: 112.5 mg/m <sup>3</sup>		TWA: 5 ppm TWA: 19 mg/m <sup>3</sup>		Skin STEL: 40 ppm STEL: 152 mg/m <sup>3</sup> TWA: 5 ppm TWA: 19 mg/m <sup>3</sup>	
POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY- 25322-68-3					TWA: 1000 mg/m <sup>3</sup>	

TWA: Time weighted average  
 STEL: Short term exposure limit  
 LLV: Exposure Limit Values  
 STV: Short Term Value

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

## 8.2 Exposure controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

#### Eye/Face Protection

Safety glasses with side-shields.

#### Hand Protection

Rubber gloves.

#### Skin and body protection

Long sleeved clothing.

#### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

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

**Environmental Exposure Controls** No information available.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear, Hazy
<b>Color</b>	Colorless
<b>Odor</b>	Citrus
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	9.9	
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		No information available
<b>Flash Point</b>	51 °C / 124 °F	
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>	0.972 g/cc	
<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** ~70%

## 10. Stability and Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

No information available.

### 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 Information on toxicological effects

#### Acute toxicity

#### Product Information

The product itself has not been tested.

<b>Inhalation</b>	There are no data available for this product.
<b>Eye contact</b>	There are no data available for this product.
<b>Skin contact</b>	There are no data available for this product.
<b>Ingestion</b>	There are no data available for this product.

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

<b>ATEmix (oral)</b>	86,444.00 mg/kg
<b>ATEmix (dermal)</b>	49,116.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	8.00 mg/l
<b>ATEmix (inhalation-vapor)</b>	405.00 mg/l

#### Unknown Acute Toxicity

17.60515% of the mixture consists of ingredient(s) of unknown toxicity  
 < 1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 < 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 17.60515 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
DIPROPYLENE GLYCOL BUTYL ETHER			> 2.0 mg/L (aerosol)( Rat ) 4 h
1-METHOXY-2-PROPANOL	5000 mg/kg ( Rat )	= 13 g/kg ( Rabbit )	> 6 mg/L ( Rat ) 4 h
D-limonene	4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available.
<b>Target Organs</b>	Central nervous system. Eyes. Respiratory system. Skin.
<b>Aspiration hazard</b>	No information available.

## 12. Ecological information

### 12.1 Toxicity

< 1 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

#### Ecotoxicity effects

No information available Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
1-METHOXY-2-PROPANOL		LC50: 96 h Pimephales promelas 20.8 g/L static	EC50: 48 h Daphnia magna 23300 mg/L
D-limonene		LC50: 96 h Pimephales promelas 0.619 - 0.796 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 35 mg/L	
Ammonium hydroxide		LC50: 96 h Pimephales promelas 8.2 mg/L	EC50: 48 h water flea 0.66 mg/L EC50: 48 h Daphnia pulex 0.66 mg/L

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
1-METHOXY-2-PROPANOL	-0.437

### 12.4 Mobility in soil

#### Mobility in soil

No information available.

#### Mobility

No information available.



**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects.**

No information available.

**13. Disposal Considerations****13.1 Waste treatment methods**

<b>Waste from residues / unused products</b>	If recycling is not practicable, dispose of in compliance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Other information</b>	According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

**14. Transport Information****ADR**

14.1 UN	-
14.2 Proper shipping name	-
14.3 Hazard class	-
14.4 Packing Group	-
14.5 Environmental hazard	-
14.6 Special Provisions	-

**IMDG**

14.1 UN	1993
14.2 Proper shipping name	Flammable Liquid, N.O.S. (D'LIMONENE)
14.3 Hazard class	3
14.4 Packing Group	III
14.5 Marine pollutant	Not applicable
Environmental hazard	-
14.6 Special Provisions	None
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code	No information available

**IATA**

14.1 UN	Air transport is not recommended.
14.2 Proper shipping name	-
14.3 Hazard class	-
14.4 Packing Group	-
14.5 Environmental hazard	-
14.6 Special Provisions	-

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Germany

Chemical Name	French RG number	Title
1-METHOXY-2-PROPANOL 107-98-2	RG 84	-
D-limonene 5989-27-5	RG 84	-
Methoxy-1-Propanol 1589-47-5	RG 84	-

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**International Inventories**

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

**Legend**

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

**15.2 Chemical Safety Assessment**

No information available

<b>16. Other information</b>
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**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H336 - May cause drowsiness or dizziness

H226 - Flammable liquid and vapor

H314 - Causes severe skin burns and eye damage

H400 - Very toxic to aquatic life

H315 - Causes skin irritation

H318 - Causes serious eye damage

H360D - May damage the unborn child

H335 - May cause respiratory irritation

H317 - May cause an allergic skin reaction

H410 - Very toxic to aquatic life with long lasting effects

**Revision Date** 24-Jan-2017

**Revision Note** Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**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**