

# Safety Data Sheet



Revision Date 12-Apr-2016  
Version 2

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

### 1.1 Product identifier

Product name Encap Brite II

### 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  
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

<b>Chronic aquatic toxicity</b>	Category 3 - (H412)
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**2.2 Label elements****Hazard Statements**

H412 - Harmful to aquatic life with long lasting effects

**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
Hydrogen peroxide	231-765-0	7722-84-1	2.5 - 10	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Skin Corr. 1A (H314) Ox. Liq. 1 (H271)	no data available
Isopropyl alcohol	200-661-7	67-63-0	< 0.1	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	01-2119457558-25-xx xx
Ammonium hydroxide	215-647-6	1336-21-6	< 0.1	Skin Corr. 1B (H314) Aquatic Acute 1 (H400)	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>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>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**4.2 Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	No information available.
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**4.3 Indication of any immediate medical attention and special treatment needed**

<b>Notes to physician</b>	Treat symptomatically.
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## 5. Fire-Fighting Measures

### 5.1 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**

No information available.

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

Hazardous decomposition products formed under fire conditions. Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>. Evolution of CO<sub>2</sub> in closed containers causes overpressure and produces a risk of bursting.

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. Accidental Release Measures

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

#### **Personal precautions**

Ensure adequate ventilation, especially in confined areas.

#### **Advice for emergency responders**

For personal protection see section 8.

### 6.2 Environmental precautions

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**

Take up mechanically and collect in suitable container for disposal.

### 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**

Ensure adequate ventilation.

#### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

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

#### **Storage Conditions**

Keep container tightly closed in a dry and well-ventilated 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**

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
Hydrogen peroxide 7722-84-1		STEL 2 ppm STEL 2.8 mg/m <sup>3</sup> TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> STEL: 3 ppm STEL: 4.2 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.5 mg/m <sup>3</sup>
Isopropyl alcohol 67-63-0		STEL 800 ppm STEL 2000 mg/m <sup>3</sup> TWA: 200 ppm TWA: 500 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 500 mg/m <sup>3</sup> STEL: 400 ppm STEL: 1000 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 490 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 500 mg/m <sup>3</sup> STEL: 250 ppm STEL: 620 mg/m <sup>3</sup>	STEL: 400 ppm STEL: 980 mg/m <sup>3</sup>
Ammonium hydroxide 1336-21-6					STEL: 50 ppm STEL: 36 mg/m <sup>3</sup>	
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
Hydrogen peroxide 7722-84-1	TWA: 0.5 ppm TWA: 0.71 mg/m <sup>3</sup> Skin	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> Ceiling: 2 ppm Ceiling: 2.8 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.5 mg/m <sup>3</sup> STEL: 2 ppm STEL: 3 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>		
Isopropyl alcohol 67-63-0	TWA: 200 ppm TWA: 500 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 490 mg/m <sup>3</sup> S* Ceiling: 400 ppm Ceiling: 980 mg/m <sup>3</sup>	TWA: 200 ppm STEL: 400 ppm Skin	STEL: 400 ppm STEL: 983 mg/m <sup>3</sup> TWA: 200 ppm TWA: 492 mg/m <sup>3</sup>		
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
Hydrogen peroxide 7722-84-1	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> STEL: 3 ppm STEL: 2.8 mg/m <sup>3</sup>	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>	LLV: 1 ppm LLV: 1.4 mg/m <sup>3</sup> CLV: 2 ppm CLV: 3 mg/m <sup>3</sup>	STEL: 0.5 ppm STEL: 0.71 mg/m <sup>3</sup> TWA: 0.5 ppm TWA: 0.71 mg/m <sup>3</sup>	STEL: 2 ppm STEL: 2.8 mg/m <sup>3</sup> TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>
Isopropyl alcohol 67-63-0	TWA: 100 ppm TWA: 245 mg/m <sup>3</sup> STEL: 150 ppm STEL: 306.25 mg/m <sup>3</sup>	STEL: 400 ppm TWA: 200 ppm	STEL: 400 ppm STEL: 1000 mg/m <sup>3</sup> TWA: 200 ppm TWA: 500 mg/m <sup>3</sup>	LLV: 150 ppm LLV: 350 mg/m <sup>3</sup> STV: 250 ppm STV: 600 mg/m <sup>3</sup>	STEL: 400 ppm STEL: 1000 mg/m <sup>3</sup> TWA: 200 ppm TWA: 500 mg/m <sup>3</sup>	STEL: 500 ppm STEL: 1250 mg/m <sup>3</sup> TWA: 400 ppm TWA: 999 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/latex/neoprene or other suitable chemical resistant gloves.

**Skin and body protection**

Long sleeved clothing.

**Respiratory protection**

No special protective equipment required.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

**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 liquid
<b>Color</b>	light yellow
<b>Odor</b>	Low
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	7.4	
Melting/freezing point		No information available
Boiling point/boiling range		No information available
Flash Point	Not Applicable	No information available
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	1.02 g/cc	
Water solubility		No information available
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
Explosive properties		No information available
Oxidizing Properties		No information available

### 9.2 Other information

Volatile organic compounds (VOC) content Negligible

## 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

Extremes of temperature and direct sunlight.

### 10.5 Incompatible Materials

No materials to be especially mentioned

### 10.6 Hazardous Decomposition Products

None under normal use conditions.

## 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>	30,719.00 mg/kg
<b>ATEmix (dermal)</b>	76,702.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	28.80 mg/l

##### Unknown Acute Toxicity

3.37405% 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  
 3.37405 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 3.37405 % 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)

##### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrogen peroxide	801 mg/kg ( Rat )	= 2000 mg/kg ( Rabbit ) = 4060 mg/kg ( Rat )	= 2 g/m <sup>3</sup> ( Rat ) 4 h
DIPROPYLENE GLYCOL BUTYL ETHER			= 42.1 ppm ( Rat ) 4 h

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	May cause eye irritation.
<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>	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**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Hydrogen peroxide		LC50: 96 h Pimephales promelas 16.4 mg/L LC50: 96 h Lepomis macrochirus 18 - 56 mg/L static LC50: 96 h Oncorhynchus mykiss 10.0 - 32.0 mg/L static	EC50: 48 h Daphnia magna 18 - 32 mg/L Static
Isopropyl alcohol	EC50: 96 h Desmodesmus subspicatus 1000 mg/L EC50: 72 h Desmodesmus subspicatus 1000 mg/L	LC50: 96 h Pimephales promelas 9640 mg/L flow-through LC50: 96 h Pimephales promelas 11130 mg/L static LC50: 96 h Lepomis macrochirus 1400000 µg/L	EC50: 48 h Daphnia magna 13299 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
Isopropyl alcohol	0.05

**12.4 Mobility in soil****Mobility in soil**

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**

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Empty remaining contents.

## 14. Transport Information

**ADR**

**14.1 UN** Not regulated

**14.2 Proper shipping name** Not regulated

<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

**IMDG**

<b>14.1 UN</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code</b>	No information available

**IATA**

<b>14.1 UN</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

## 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
Isopropyl alcohol 67-63-0	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**



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**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECS** - 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

## **16. Other information**

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

#### **Full text of H-Statements referred to under section 3**

H314 - Causes severe skin burns and eye damage  
H400 - Very toxic to aquatic life  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H225 - Highly flammable liquid and vapor  
H302 - Harmful if swallowed  
H332 - Harmful if inhaled  
H271 - May cause fire or explosion; strong oxidizer

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

**Revision Date** 12-Apr-2016

**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**