

Safety Data Sheet



Revision Date 22-Jun-2017
Version 1

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

1.1 Product identifier

Product name Encapbrite SR
Pure substance/mixture Mixture

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

For further information, please contact: 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

Serious eye damage/eye irritation	Category 1 - (H318)
--	---------------------

2.2 Label elements



Signal Word

Danger

Hazard Statements

H318 - Causes serious eye damage

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

P280 - Wear eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Contains Benzene, 1,1-oxybis, tetrapropylene derivatives

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
ZINC AMMONIUM CARBONATE	254-099-2	38714-47-5	< 1	no data available	no data available
DIPROPYLENE GLYCOL	246-770-3	25265-71-8	< 0.1	no data available	no data available
Benzyl acetate	205-399-7	140-11-4	< 0.1	no data available	no data available
5-Chloro-2-methyl-4-isothiazolin-3-one	247-500-7	26172-55-4	< 0.1	STOT SE 3 (H335) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Eye Dam. 1 (H318) \par Aquatic Acute 1 (H400)	no data available
Camphor	200-945-0	76-22-2	< 0.1	no data available	no data available
BENZENE, 1,1'-OXYBIS-	202-981-2	101-84-8	< 0.1	no data available	no data available
2,6-OCTADIENAL, 3,7-DIMETHYL-	226-394-6	5392-40-5	< 0.1	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	no data available
Styrene monomer	202-851-5	100-42-5	< 0.1	Acute Tox. 4 (H332)	no data available

				Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Repr. 2 (H361d) STOT RE 1 (H372) Flam. Liq. 3 (H226)	
2-Methyl-2H-isothiazol-3-one	220-239-6	2682-20-4	< 0.1	STOT SE 3 (H335) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Eye Dam. 1 (H318) \par Aquatic Acute 1 (H400)	no data available
COPPER(II) NITRATE	221-838-5	3251-23-8	< 0.1	no data available	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

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

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
Benzyl acetate 140-11-4			TWA: 10 ppm TWA: 62 mg/m ³	TWA: 10 ppm TWA: 61 mg/m ³		
5-Chloro-2-methyl-4-is othiazolin-3-one 26172-55-4		Skin TWA: 0.05 mg/m ³				
Camphor		TWA: 2 ppm	TWA: 2 ppm	TWA: 2 ppm	TWA: 0.3 ppm	TWA: 2 ppm

76-22-2		TWA: 13 mg/m ³	TWA: 12 mg/m ³ STEL: 3 ppm STEL: 19 mg/m ³	TWA: 12 mg/m ³	TWA: 1.9 mg/m ³ STEL: 0.9 ppm STEL: 5.7 mg/m ³	TWA: 12 mg/m ³
BENZENE, 1,1'-OXYBIS- 101-84-8		TWA: 1 ppm TWA: 7 mg/m ³	TWA: 1 ppm TWA: 7 mg/m ³ STEL: 2 ppm STEL: 14 mg/m ³	TWA: 1 ppm TWA: 7 mg/m ³	TWA: 1 ppm TWA: 7.1 mg/m ³ STEL: 3 ppm STEL: 21 mg/m ³	TWA: 1 ppm TWA: 7 mg/m ³
Styrene monomer 100-42-5		STEL 80 ppm STEL 340 mg/m ³ TWA: 20 ppm TWA: 85 mg/m ³	TWA: 40 ppm TWA: 173 mg/m ³ S* STEL: 80 ppm STEL: 346 mg/m ³	Ceiling: 25 ppm Ceiling: 105 mg/m ³ Skin	TWA: 20 ppm TWA: 86 mg/m ³ STEL: 100 ppm STEL: 430 mg/m ³	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³
2-Methyl-2H-isothiazol -3-one 2682-20-4		Skin TWA: 0.05 mg/m ³				
COPPER(II) NITRATE 3251-23-8		STEL 4 mg/m ³ STEL 0.4 mg/m ³ TWA: 1 mg/m ³ TWA: 0.1 mg/m ³			TWA: 1 mg/m ³	
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
ZINC AMMONIUM CARBONATE 38714-47-5	TWA: 0.1 mg/m ³ TWA: 2 mg/m ³					
DIPROPYLENE GLYCOL 25265-71-8	TWA: 100 mg/m ³ Skin					
Benzyl acetate 140-11-4				TWA: 10 ppm TWA: 61 mg/m ³		
5-Chloro-2-methyl-4-is othiazolin-3-one 26172-55-4	TWA: 0.2 mg/m ³					
Camphor 76-22-2	TWA: 2 ppm TWA: 13 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³ Ceiling: 4 ppm Ceiling: 24 mg/m ³	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 3 ppm STEL: 18 mg/m ³	STEL: 3 ppm STEL: 18.7 mg/m ³ TWA: 2 ppm TWA: 12.5 mg/m ³		
BENZENE, 1,1'-OXYBIS- 101-84-8	TWA: 1 ppm TWA: 7.1 mg/m ³	TWA: 1 ppm TWA: 7 mg/m ³ Ceiling: 2 ppm Ceiling: 14 mg/m ³	TWA: 1 ppm TWA: 7 mg/m ³ STEL: 3 ppm STEL: 21 mg/m ³	STEL: 2 ppm STEL: 14 mg/m ³ TWA: 1 ppm TWA: 7 mg/m ³		
2,6-OCTADIENAL, 3,7-DIMETHYL- 5392-40-5				TWA: 5 ppm TWA: 31 mg/m ³		
Styrene monomer 100-42-5	TWA: 20 ppm TWA: 86 mg/m ³ Skin	S* STEL: 25 ppm STEL: 105 mg/m ³	TWA: 20 ppm TWA: 85 mg/m ³ STEL: 40 ppm STEL: 170 mg/m ³	STEL: 40 ppm STEL: 170 mg/m ³ TWA: 20 ppm TWA: 85 mg/m ³		
2-Methyl-2H-isothiazol -3-one 2682-20-4	TWA: 0.2 mg/m ³					
COPPER(II) NITRATE 3251-23-8	TWA: 0.1 mg/m ³			TWA: 1 mg/m ³		
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
ZINC AMMONIUM CARBONATE 38714-47-5					STEL: 4 mg/m ³ TWA: 0.1 mg/m ³ TWA: 2 mg/m ³	
DIPROPYLENE GLYCOL 25265-71-8					STEL: 280 mg/m ³ TWA: 140 mg/m ³	
Benzyl acetate 140-11-4		TWA: 10 ppm	TWA: 10 ppm TWA: 62 mg/m ³			
5-Chloro-2-methyl-4-is othiazolin-3-one 26172-55-4					TWA: 0.2 mg/m ³	
Camphor 76-22-2	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 4 ppm	STEL: 3 ppm TWA: 2 ppm	STEL: 3 ppm STEL: 19 mg/m ³ TWA: 2 ppm		TWA: 2 ppm TWA: 13 mg/m ³	STEL: 3 ppm STEL: 19 mg/m ³ TWA: 2 ppm

Encapbrite SR

	STEL: 18 mg/m ³		TWA: 13 mg/m ³			TWA: 13 mg/m ³
BENZENE, 1,1'-OXYBIS- 101-84-8	TWA: 1 ppm TWA: 7 mg/m ³ STEL: 3 ppm STEL: 14 mg/m ³	STEL: 2 ppm TWA: 1 ppm	STEL: 2 ppm STEL: 14.2 mg/m ³ TWA: 1 ppm TWA: 7.1 mg/m ³		STEL: 1 ppm STEL: 7 mg/m ³ TWA: 1 ppm TWA: 7 mg/m ³	STEL: 3 ppm STEL: 21.3 mg/m ³ TWA: 1 ppm TWA: 7.1 mg/m ³
2,6-OCTADIENAL, 3,7-DIMETHYL- 5392-40-5			S* TWA: 5 ppm			
Styrene monomer 100-42-5	TWA: 25 ppm TWA: 105 mg/m ³ STEL: 37.5 ppm STEL: 131.25 mg/m ³	STEL: 40 ppm TWA: 20 ppm	STEL: 40 ppm STEL: 172 mg/m ³ TWA: 20 ppm TWA: 86 mg/m ³	LLV: 10 ppm LLV: 43 mg/m ³ S* STV: 20 ppm STV: 86 mg/m ³	STEL: 40 ppm STEL: 170 mg/m ³ TWA: 20 ppm TWA: 85 mg/m ³	STEL: 250 ppm STEL: 1080 mg/m ³ TWA: 100 ppm TWA: 430 mg/m ³
2-Methyl-2H-isothiazol -3-one 2682-20-4					TWA: 0.2 mg/m ³	
COPPER(II) NITRATE 3251-23-8					STEL: 0.2 mg/m ³ TWA: 0.1 mg/m ³	

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

Physical state	Liquid
Appearance	Clear liquid
Color	Amber
Odor	Perfume
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	9.0	
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	1.03	
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 ~5%

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 (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product Information

The product itself has not been tested.

Inhalation	There are no data available for this product.
Eye contact	There are no data available for this product.
Skin contact	There are no data available for this product.
Ingestion	There are no data available for this product.

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

ATEmix (oral)	58,605.00 mg/kg
ATEmix (dermal)	58,605.00 mg/kg

Unknown Acute Toxicity

- < 1% 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)
- < 1 % 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)

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation Irritating to eyes. Causes serious eye damage.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
Specific target organ systemic toxicity (single exposure)	No information available.
Specific target organ systemic toxicity (repeated exposure)	No information available.
Aspiration hazard	No information available.

12. Ecological information

12.1 Toxicity

5.9522312 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

No information available

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
5-Chloro-2-methyl-4-isothiazolin-3-one	EC50: 72 h Pseudokirchneriella subcapitata 0.11 - 0.16 mg/L static EC50: 96 h Pseudokirchneriella subcapitata 0.03 - 0.13 mg/L static	LC50: 96 h Oncorhynchus mykiss 1.6 mg/L semi-static	EC50: 48 h Daphnia magna 4.71 mg/L EC50: 48 h Daphnia magna 0.12 - 0.3 mg/L Flow through EC50: 48 h Daphnia magna 0.71 - 0.99 mg/L Static
BENZENE, 1,1'-OXYBIS-		LC50: 96 h Pimephales promelas 4 mg/L flow-through LC50: 96 h Pimephales promelas 4 - 7.9 mg/L static	LC50: 48 h Daphnia magna 0.11 - 1.1 mg/L
2,6-OCTADIENAL, 3,7-DIMETHYL-	EC50: 72 h Desmodesmus subspicatus 16 mg/L EC50: 96 h Desmodesmus subspicatus 19 mg/L		EC50: 48 h Daphnia magna 7 mg/L
Styrene monomer	EC50: 72 h Pseudokirchneriella subcapitata 1.4 mg/L EC50: 96 h Pseudokirchneriella subcapitata 0.72 mg/L EC50: 72 h Pseudokirchneriella subcapitata 0.46 - 4.3 mg/L static EC50: 96 h Pseudokirchneriella subcapitata 0.15 - 3.2 mg/L static	LC50: 96 h Pimephales promelas 3.24 - 4.99 mg/L flow-through LC50: 96 h Lepomis macrochirus 19.03 - 33.53 mg/L static LC50: 96 h Pimephales promelas 6.75 - 14.5 mg/L static LC50: 96 h Poecilia reticulata 58.75 - 95.32 mg/L static	EC50: 48 h Daphnia magna 3.3 - 7.4 mg/L

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
Benzyl acetate	1.96
5-Chloro-2-methyl-4-isothiazolin-3-one	0.75
BENZENE, 1,1'-OXYBIS-	4.24
2,6-OCTADIENAL, 3,7-DIMETHYL-	2.76
Styrene monomer	2.95

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.

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Styrene monomer	Group I Chemical	High Exposure Concern	

13. Disposal Considerations

13.1 Waste treatment methods**Waste from residues / unused products**

If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other information

According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

14. Transport Information

ADR

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

IMDG

14.1 UN	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine pollutant	Not applicable
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	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated

14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	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
Styrene monomer 100-42-5	RG 66, 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

TSCA	Complies
EINECS/ELINCS	Complies
DSL	Complies
PICCS	Complies
ENCS	-
IECSC	Complies
AICS	Complies
KECL	Complies
NZIoC	-

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

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

- H332 - Harmful if inhaled
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H361d - Suspected of damaging the unborn child
- H372 - Causes damage to organs through prolonged or repeated exposure if inhaled
- H226 - Flammable liquid and vapor
- H335 - May cause respiratory irritation
- H314 - Causes severe skin burns and eye damage
- H317 - May cause an allergic skin reaction
- H301 - Toxic if swallowed
- H311 - Toxic in contact with skin
- H318 - Causes serious eye damage
- H400 - Very toxic to aquatic life

Revision Date 22-Jun-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