



# Safety Data Sheet

Version: 1  
Revision Date:  
12/21/2022

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product identifier.** 104406  
**Product name.** - Encapbrite SR  
**UFI** KHNF-M0KM-W009-RJ1D

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

**Recommended Use.** Professional Carpet Cleaning  
**Uses advised against.** Professional Use Only

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

**Supplier.** Legend Brands  
15180 Josh Wilson Road  
Burlington, WA 98233  
E-Mail: sds@legendbrands.com  
800-932-3030  
  
Legend Brands Europe  
22 Plover Close Interchange Park  
Newport Pagnell MK069PS UK  
+44 (0) 1908 611211  
  
Rust-Oleum Europe  
Kolenbergstraat 23  
3545 Halen, Belgium

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

**Europe**  
**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 |par 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 88 755 8000 (NB: this service is only available to health professionals)  
**Norway** Poisons Information (NO): + 47 22 591300  
**Portugal** Poison Information Center (PT): +351 800 250 250  
**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 / 0300 020 0155

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Allergic effects

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

None

**Hazardous ingredients which must be listed on the label**

Contains

Not Applicable

**Possible Hazards**

1.7% of the mixture consists of ingredient(s) of unknown toxicity

1.7% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

**GHS HAZARD STATEMENTS**

EUH208 Contains 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.

**2.3. Other hazards**

EMERGENCY OVERVIEW: No Information

**SECTION 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	CAS-No.	EC No.	REACH Reg No.	Wt. %
2-Methyl-2H-isothiazol-3-one	2682-20-4	220-239-6	No Information	<0.1
BENZENE, 1,1'-OXYBIS-	101-84-8	202-981-2	No Information	<1
Styrene monomer	100-42-5	202-851-5	No Information	<1

Chemical Name	Classification (1272/2008/EC)	Specific Conc. Limits, M-factors and ATEs
2-Methyl-2H-isothiazol-3-one	Corr. Resp. (EUH071) Acute Tox. 3 Oral (H301) Acute Tox. 3 Dermal (H311) Skin Corr. 1B (H314) Skin Sens. 1A (H317) Acute Tox. 2 Inhalation (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Skin Sens. 1A; H317: C>=0.0015%  ATE oral (mg/kg): 105 mg/kg ( Rat ) ATE dermal (mg/kg): 201 mg/kg Rat ATE inhalation - dust/mist (mg/l/4h): N.R. M-Factors: 10 M-factor chronic: 1
BENZENE, 1,1'-OXYBIS-	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	ATE oral (mg/kg): 2450 mg/kg Rat ATE dermal (mg/kg): >7940 mg/kg Rabbit
Styrene monomer	Flam. Liq. 3 (H226) Acute Tox. 4 Oral (H302) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Acute Tox. 4 Inhalation (H332) STOT RE 1 (H372)	ATE oral (mg/kg): 1000 mg/kg Rat ATE dermal (mg/kg): >2000 mg/kg Rat ATE inhalation - vapor (mg/l/4h): 11.7 mg/L Rat

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

**SECTION 4: First aid measures****4.1. Description of first aid measures****General advice.**

Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

**Inhalation.**

Move to fresh air.

**Skin contact.**

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

**Eye contact.**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

**Ingestion.**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. 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.

**SECTION 5: Firefighting 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.**

High volume water jet.

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

No information available.

**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.

Use personal protection recommended in Section 8.

As in any fire, wear self-contained breathing apparatus and full protective gear.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions.**

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

**Advice for emergency responders.**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Prevent product from entering drains. See Section 12 for additional Ecological information.

**6.3. Methods and material for containment and cleaning up****Methods for Containment.**

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

**Methods for cleaning up.**

Use personal protective equipment as required.

**Other information.**

No Information

**6.4. Reference to other sections**

No Information

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling.**

Handle in accordance with good industrial hygiene and safety practice.

**Hygiene measures.**

See section 7 for more information.

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

Keep containers tightly closed in a cool, well-ventilated place.

**7.3. Specific end use(s)****Specific use(s).**

No Information

**Exposure scenario.**

No Information Available

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limit Values**

<b>Chemical Name</b>	<b>Austria</b>	<b>Belgium</b>	<b>Denmark</b>	<b>European Union.</b>	<b>Finland</b>	<b>France</b>
2-Methyl-2H-isothiazol-3-one 2682-20-4	TWA: 0.05 mg/m <sup>3</sup>	N.D.	N.D.	N.D.	N.D.	N.D.
BENZENE, 1,1'-OXYBIS- 101-84-8	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>	STEL: 14 mg/m <sup>3</sup> STEL: 2 ppm TWA: 7 mg/m <sup>3</sup> TWA: 1 ppm	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>
Styrene monomer 100-42-5	STEL: 80 ppm STEL: 340 mg/m <sup>3</sup> TWA: 20 ppm TWA: 85 mg/m <sup>3</sup>	STEL: 80 ppm STEL: 346 mg/m <sup>3</sup> TWA: 25 ppm TWA: 108 mg/m <sup>3</sup>	N.D.	N.D.	STEL: 100 ppm STEL: 430 mg/m <sup>3</sup> TWA: 20 ppm TWA: 86 mg/m <sup>3</sup>	STEL: 46.6 ppm STEL: 200 mg/m <sup>3</sup> TWA: 23.3 ppm TWA: 100 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Germany</b>	<b>Iceland</b>	<b>Ireland</b>	<b>Italy</b>	<b>Luxembourg</b>	<b>Netherlands</b>
2-Methyl-2H-isothiazol-3-one 2682-20-4	STEL: 0.4 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup>	N.D.	N.D.	N.D.	N.D.	N.D.
BENZENE, 1,1'-OXYBIS- 101-84-8	STEL: 1 ppm STEL: 7.1 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7.1 mg/m <sup>3</sup>	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>	TWA: 7 mg/m <sup>3</sup> TWA: 1 ppm	STEL: 14 mg/m <sup>3</sup> STEL: 2 ppm TWA: 7 mg/m <sup>3</sup> TWA: 1 ppm	STEL: 14 mg/m <sup>3</sup> TWA: 7 mg/m <sup>3</sup>
Styrene monomer 100-42-5	STEL: 40 ppm STEL: 172 mg/m <sup>3</sup> TWA: 20 ppm TWA: 86 mg/m <sup>3</sup>	STEL: 25 ppm STEL: 105 mg/m <sup>3</sup>	STEL: 40 ppm STEL: 170 mg/m <sup>3</sup> TWA: 85 mg/m <sup>3</sup> TWA: 20 ppm	N.D.	N.D.	N.D.
<b>Chemical Name</b>	<b>Norway</b>	<b>Portugal</b>	<b>Spain</b>	<b>Sweden</b>	<b>Switzerland</b>	<b>United Kingdom</b>
2-Methyl-2H-isothiazol-3-one 2682-20-4	N.D.	N.D.	N.D.	N.D.	STEL: 0.4 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup>	N.D.
BENZENE, 1,1'-OXYBIS- 101-84-8	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>	STEL: 2 ppm STEL: 14.2 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7.1 mg/m <sup>3</sup>	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>	STEL: 2 ppm STEL: 14 mg/m <sup>3</sup> TWA: 1 ppm TWA: 7 mg/m <sup>3</sup>
Styrene monomer 100-42-5	STEL: 37.5 ppm STEL: 131.25 mg/m <sup>3</sup> TWA: 25 ppm TWA: 105 mg/m <sup>3</sup>	STEL: 40 ppm TWA: 20 ppm	STEL: 40 ppm STEL: 172 mg/m <sup>3</sup> TWA: 20 ppm TWA: 86 mg/m <sup>3</sup>	STEL: 20 ppm STEL: 86 mg/m <sup>3</sup> TWA: 10 ppm TWA: 43 mg/m <sup>3</sup>	STEL: 40 ppm STEL: 170 mg/m <sup>3</sup> TWA: 20 ppm TWA: 85 mg/m <sup>3</sup>	STEL: 250 ppm STEL: 1080 mg/m <sup>3</sup> TWA: 100 ppm TWA: 430 mg/m <sup>3</sup>

TWA: Time weighted average

STEL: Short term exposure limit.

**Derived No Effect Level (DNEL)**

No Information Available

**Predicted No Effect Concentration (PNEC)**

No Information Available

**8.2. Exposure controls**

**Engineering Measures.**

Showers, eyewash stations, and ventilation systems.

**Personal protective equipment.****Eye/Face Protection.**

Safety glasses with side-shields.

**Skin and body protection.**

Wear suitable protective clothing.

No Information

**Respiratory protection.**

In case of insufficient ventilation wear suitable respiratory equipment.

**Environmental Exposure Controls.**

No Information

## SECTION 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>Colour</b>	Amber
<b>Odour</b>	Perfume
<b>Odour Threshold</b>	No Information
<b>pH</b>	8.89
<b>Melting Point, °C</b>	No Information
<b>Flash Point, °C</b>	93
<b>Boiling Range, °C</b>	100 - 1,412
<b>Combustibility</b>	Does not Support Combustion
<b>Vapor Pressure, mmHg</b>	No Information
<b>Vapor density</b>	No Information
<b>Specific Gravity (g/cm<sup>3</sup>)</b>	1.030
<b>Solubility in water</b>	No Information
<b>Partition Coefficient, n-octanol/water</b>	No Information
<b>Auto-Ignition Temperature, °C</b>	No Information
<b>Decomposition temperature, °C</b>	No Information
<b>Viscosity</b>	No Information

**9.2. Other information**

**Volatile organic compounds (VOC) content.** ~5%

**9.2.1. Information with regard to physical hazard classes**

No Information

**9.2.2. Other safety characteristics**

No Information

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

Stable under normal conditions.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

None known based on information supplied.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

None known based on information supplied.

**10.6. Hazardous decomposition products**

None known.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity.**

Based on available data, the classification criteria are not met.

**Product Information**

<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
N.I.	58.605.00	N.I.

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

<b>ATEmix (oral)</b>	N.R.	
<b>ATEmix (dermal)</b>	>5000 mg/kg	

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2682-20-4	2-Methyl-2H-isothiazol-3-one	105 mg/kg ( Rat )	201 mg/kg Rat	N.R.
101-84-8	BENZENE, 1,1'-OXYBIS-	2450 mg/kg Rat	>7940 mg/kg Rabbit	N.R.
100-42-5	Styrene monomer	1000 mg/kg Rat	>2000 mg/kg Rat	11.7 mg/L Rat

**11.2. Information on other hazards****Endocrine disrupting properties**

N.A.

**Other information.**

N.A.

**SECTION 12: Ecological information****12.1. Toxicity**

4.36% 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.
2-Methyl-2H-isothiazol-3-one 2682-20-4	N.D.	N.D.	N.D.
BENZENE, 1,1'-OXYBIS- 101-84-8	N.D.	LC50 96 h Pimephales promelas 4 mg/L, LC50 96 h Pimephales promelas 4 - 7.9 mg/L	LC50 48 h Daphnia magna 0.11 - 1.1 mg/L
Styrene monomer 100-42-5	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, EC50 96 h Pseudokirchneriella subcapitata 0.15 - 3.2 mg/L	LC50 96 h Pimephales promelas 3.24 - 4.99 mg/L, LC50 96 h Lepomis macrochirus 19.03 - 33.53 mg/L, LC50 96 h Pimephales promelas 6.75 - 14.5 mg/L, LC50 96 h Poecilia reticulata 58.75 - 95.32 mg/L	EC50 48 h Daphnia magna 3.3 - 7.4 mg/L

**12.2. Persistence and degradability**

No data are available on the product itself

**12.3. Bioaccumulative potential**

Discharge into the environment must be avoided.

CAS-No.	Chemical Name	Bio. Conc. Factor (BCF)	Octanol-water par. Coeff (KOW)
2682-20-4	2-Methyl-2H-isothiazol-3-one	N.I.	-0.26, -0.34, -0.28
101-84-8	BENZENE, 1,1'-OXYBIS-	470 (species: fish)	4.21
100-42-5	Styrene monomer	13.5 (species: fish)	2.96

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

No information available

**12.5. Results of PBT and vPvB assessment**

No data are available on the product itself

**12.6. Endocrine disrupting properties**

No information available

**12.7. Other adverse effects**

No information available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Waste from residues / unused products.**

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

**Contaminated packaging.**

No Information

**Other information.**

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

**SECTION 14: Transport information****ADR**

14.1. UN number or ID number	No Information
14.2. UN proper shipping name	Not Regulated
14.3. Transport hazard class(es)	No Information
14.4. Packing group	No Information
14.5. Environmental hazards	No.
14.6. Special precautions for user	No Information

**IMDG**

14.1. UN number or ID number	No Information
14.2. UN proper shipping name	Not Regulated
14.3. Transport hazard class(es)	No Information
14.4. Packing group	No Information
14.5 Marine Pollutant	No.
Environmental hazards	No.
14.6. Special precautions for user	No Information
14.7. Maritime transport in bulk according to IMO instruments	No Information

**IATA**

14.1. UN number or ID number	No Information
14.2. UN proper shipping name	Not Regulated
14.3. Transport hazard class(es)	No Information
14.4. Packing group	

No Information

Product name.: 104406

14.5. Environmental hazards

No.

14.6. Special precautions for user

No Information

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information.

Germany WGK Classification 2

French table of occupational diseases

CAS-No.	Chemical Name	French table of occupational diseases
100-42-5	Styrene monomer	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

#### Persistent Organic Pollutants

Not applicable

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

CAS-No.	Chemical Name	Substance subject to authorization per REACH Annex XIV	Restricted substance per REACH Annex XVII
2682-20-4	2-Methyl-2H-isothiazol-3-one	No.	Yes.
100-42-5	Styrene monomer	No.	Yes.

#### EU Substances of Very High Concern

None

#### International Inventories.

TSCA Complies

DSL Complies

EINECS/ELINCS -

ENCS -

IECSC Complies

KECI -

PICCS Complies

AIIC Complies

NZIoC 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.

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.

AIIC Australian Inventory of Industrial Chemicals.

NZIoC New Zealand Inventory of Chemicals.

### 15.2. Chemical safety assessment

No.



## SECTION 16: Other information

**Revision Date** 12/21/2022

**Indication of changes:** Commission Regulation (EU) 2020/878: amending Annex II by introducing specific requirements regarding nanoforms of substances, adapting to the 6th and 7th revision of the GHS, and adding requirements regarding the Unique Formula Identifier (as set by Annex VIII to Regulation (EC) 1272/2008), endocrine disrupting properties, specific concentration limits, M-factors and acute toxicity estimates.

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

EUH071	Corrosive to the respiratory tract.
H226	Flammable liquid and vapor.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Legend.**

N.D.	No data available.
N.I.	No information available.
N.A.	Not Applicable.
N.R.	Not relevant.

This safety datasheet complies with the requirements of Regulation (EC) No. 2020/878

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.

