

Safety Data Sheet



Revision Date 15-Nov-2016
Version 3

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

1.1 Product identifier

Product name Professional Spot Lifter

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

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 3 - (H412)

2.2 Label elements**Signal Word**

Warning

Hazard Statements

H317 - May cause an allergic skin reaction

H412 - Harmful 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
Ethylene glycol monobutyl ether	203-905-0	111-76-2	1 - 2.5	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	01-2119475108-36-XX XX
D-limonene	227-813-5	5989-27-5	1 - 2.5	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam Liq. 3 (H226)	no data available
Ethanol	200-578-6	64-17-5	< 1	Flam. Liq. 2 (H225)	no data available
Tetrasodium Pyrophosphate	231-767-1	7722-88-5	< 1	no data available	no data available

Naphtha, petroleum, hydrotreated heavy	918-481-9	64742-48-9-LB	< 1	Asp. Tox. 1 (H304)	no data available
1,4-DIOXANE	204-661-8	123-91-1	< 0.1	Eye Irrit. 2 (H319) Carc. 2 (H351) STOT SE 3 (H335) Flam. Liq. 2 (H225) (EUH066) (EUH019)	no data available
Ethylene oxide	200-849-9	75-21-8	< 0.1	Acute Tox. 3 (H331) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Muta. 1B (H340) Carc. 1B (H350) STOT SE 3 (H335) Flam. Gas 1 (H220) Press. Gas	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	Immediate medical attention is required. If symptoms persist, call a physician.
Inhalation	Move to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is required. If not breathing, give artificial respiration. Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.
Skin contact	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Immediate medical attention is required. Wash off immediately with soap and plenty of water. Immediate medical attention is not required. If skin irritation persists, call a physician.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Clean mouth with water and drink afterwards plenty of water. Consult a physician.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	May cause sensitization of susceptible persons. Treat symptomatically.
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5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, Foam, Dry powder, Use:, Dry chemical, Carbon dioxide (CO₂), Alcohol-resistant foam.

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 CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

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. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Evacuate personnel to safe areas. Pay attention to flashback. Take precautionary measures against static discharges.

Advice for emergency responders

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. 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). Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal. Prevent further leakage or spillage if safe to do so.

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. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Hygiene measures

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

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
Ethylene glycol monobutyl ether 111-76-2	S* TWA 20 ppm TWA 98 mg/m ³ STEL 50 ppm STEL 246 mg/m ³	Skin STEL 40 ppm STEL 200 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	TWA: 20 ppm TWA: 98 mg/m ³ S* STEL: 50 ppm STEL: 246 mg/m ³	TWA: 20 ppm TWA: 98 mg/m ³ Skin	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ Skin	TWA: 10 ppm TWA: 49 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³
D-limonene 5989-27-5					TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³
Ethanol 64-17-5		STEL 2000 ppm STEL 3800 mg/m ³ TWA: 1000 ppm TWA: 1900 mg/m ³	TWA: 1000 ppm TWA: 1907 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³
Tetrasodium Pyrophosphate 7722-88-5		STEL 10 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³		TWA: 5 mg/m ³
1,4-DIOXANE 123-91-1		Skin STEL 40 ppm STEL 146 mg/m ³ TWA: 20 ppm TWA: 73 mg/m ³	TWA: 20 ppm TWA: 73 mg/m ³ S*	TWA: 10 ppm TWA: 36 mg/m ³ Skin	TWA: 10 ppm TWA: 36 mg/m ³ STEL: 40 ppm STEL: 150 mg/m ³ Skin	TWA: 20 ppm TWA: 73 mg/m ³ STEL: 40 ppm STEL: 140 mg/m ³
Ethylene oxide 75-21-8		Skin	TWA: 1 ppm TWA: 1.8 mg/m ³	TWA: 1 ppm TWA: 1.8 mg/m ³	TWA: 1 ppm TWA: 1.8 mg/m ³	TWA: 1 ppm STEL: 5 ppm
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
Ethylene glycol monobutyl ether 111-76-2	TWA: 10 ppm TWA: 49 mg/m ³ Skin	TWA: 20 ppm TWA: 100 mg/m ³ TWA: 25 ppm S* Ceiling: 40 ppm Ceiling: 200 mg/m ³ Ceiling: 50 ppm STEL: 50 ppm STEL: 246 mg/m ³	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Skin	TWA: 20 ppm TWA: 98 mg/m ³ TWA: 97 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Skin	S* STEL: 50 ppm STEL: 246 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	Skin STEL: 246 mg/m ³ TWA: 100 mg/m ³
D-limonene 5989-27-5	TWA: 5 ppm TWA: 28 mg/m ³ Skin					
Ethanol 64-17-5	TWA: 500 ppm TWA: 960 mg/m ³ Skin	TWA: 1000 ppm TWA: 1900 mg/m ³ Ceiling: 2000 ppm Ceiling: 3800 mg/m ³	STEL: 1000 ppm	STEL: 1000 ppm STEL: 1884 mg/m ³		Skin STEL: 1900 mg/m ³ TWA: 260 mg/m ³
Tetrasodium Pyrophosphate 7722-88-5		TWA: 5 mg/m ³ Ceiling: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 15 mg/m ³			
Naphtha, petroleum, hydrotreated heavy 64742-48-9-LB	TWA: 50 ppm TWA: 300 mg/m ³					
1,4-DIOXANE 123-91-1	TWA: 20 ppm TWA: 73 mg/m ³	TWA: 20 ppm TWA: 73 mg/m ³	TWA: 20 ppm TWA: 73 mg/m ³	TWA: 20 ppm TWA: 72 mg/m ³	TWA: 73 mg/m ³ TWA: 20 ppm	TWA: 20 mg/m ³

	Skin	S* Ceiling: 40 ppm Ceiling: 146 mg/m ³	STEL: 60 ppm STEL: 219 mg/m ³ Skin			
Ethylene oxide 75-21-8	Skin	TWA: 1 ppm TWA: 1.8 mg/m ³ S* Ceiling: 2 ppm Ceiling: 3.6 mg/m ³	TWA: 5 ppm TWA: 10 mg/m ³ STEL: 15 ppm STEL: 30 mg/m ³	TWA: 1 ppm TWA: 1.8 mg/m ³		TWA: 0.84 mg/m ³
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
Ethylene glycol monobutyl ether 111-76-2	TWA: 10 ppm TWA: 50 mg/m ³ Skin STEL: 20 ppm STEL: 75 mg/m ³	STEL: 50 ppm STEL: 246 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	S* STEL: 50 ppm STEL: 245 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	LLV: 10 ppm LLV: 50 mg/m ³ S* STV: 20 ppm STV: 100 mg/m ³	Skin STEL: 20 ppm STEL: 98 mg/m ³ TWA: 10 ppm TWA: 49 mg/m ³	STEL: 50 ppm STEL: 246 mg/m ³ TWA: 25 ppm TWA: 123 mg/m ³ Skin
D-limonene 5989-27-5	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³				STEL: 14 ppm STEL: 80 mg/m ³ TWA: 7 ppm TWA: 40 mg/m ³	
Ethanol 64-17-5	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³	TWA: 1000 ppm	STEL: 1000 ppm STEL: 1910 mg/m ³	LLV: 500 ppm LLV: 1000 mg/m ³ STV: 1000 ppm STV: 1900 mg/m ³	STEL: 1000 ppm STEL: 1920 mg/m ³ TWA: 500 ppm TWA: 960 mg/m ³	STEL: 3000 ppm STEL: 5760 mg/m ³ TWA: 1000 ppm TWA: 1920 mg/m ³
Tetrasodium Pyrophosphate 7722-88-5	TWA: 5 mg/m ³ STEL: 10 mg/m ³		TWA: 5 mg/m ³		TWA: 5 mg/m ³	STEL: 15 mg/m ³ TWA: 5 mg/m ³
Naphtha, petroleum, hydrotreated heavy 64742-48-9-LB					STEL: 100 ppm STEL: 600 mg/m ³ TWA: 50 ppm TWA: 300 mg/m ³	
1,4-DIOXANE 123-91-1	TWA: 5 ppm TWA: 18 mg/m ³ Skin STEL: 10 ppm STEL: 36 mg/m ³	TWA: 20 ppm TWA: 73 mg/m ³	TWA: 20 ppm TWA: 73 mg/m ³	LLV: 10 ppm LLV: 35 mg/m ³ S* STV: 25 ppm STV: 90 mg/m ³	Skin STEL: 40 ppm STEL: 144 mg/m ³ TWA: 20 ppm TWA: 72 mg/m ³	STEL: 60 ppm STEL: 219 mg/m ³ TWA: 20 ppm TWA: 73 mg/m ³ Skin
Ethylene oxide 75-21-8	TWA: 1 ppm STEL: 3 ppm	TWA: 1 ppm	TWA: 1 ppm TWA: 1.8 mg/m ³	LLV: 1 ppm LLV: 2 mg/m ³ S* STV: 5 ppm STV: 9 mg/m ³	Skin TWA: 1 ppm TWA: 2 mg/m ³	STEL: 15 ppm STEL: 27.6 mg/m ³ TWA: 5 ppm TWA: 9.2 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/latex/neoprene or other suitable chemical resistant gloves.

Skin and body protection

Wear protective gloves/ protective clothing.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene measures

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

Environmental Exposure Controls No information available.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Colored liquid
Color	gold
Odor	Citrus
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	8.9	
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	1.038	
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. Heat, flames and sparks.

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)	12,799.00 mg/kg
ATEmix (dermal)	18,830.00 mg/kg
ATEmix (inhalation-dust/mist)	344.11 mg/l
ATEmix (inhalation-vapor)	364.00 mg/l

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)

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dipropylene Glycol Butyl Ether			> 2.0 mg/L (aerosol)(Rat) 4 h
Ethylene glycol monobutyl ether	470 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
D-limonene	4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Ethanol			= 124.7 mg/L (Rat) 4 h

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	May cause eye irritation.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	European Union
1,4-DIOXANE	Carc. 2
Ethylene oxide	Carc. 1B

Reproductive toxicity	No information available.
Specific target organ systemic toxicity (single exposure)	No information available.
Specific target organ systemic toxicity (repeated exposure)	.
Chronic toxicity	May cause adverse liver effects. Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure. Contains a known or suspected reproductive toxin.
Target Organs	Blood. Central nervous system. Eyes. Hematopoietic System. Kidney. Liver. Respiratory system. Skin. Reproductive system.
Aspiration hazard	No information available.

12. Ecological information

12.1 Toxicity

9.596153 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

No information available Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment 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
Ethylene glycol monobutyl ether		LC50: 96 h <i>Lepomis macrochirus</i> 1490 mg/L static LC50: 96 h <i>Lepomis macrochirus</i> 2950 mg/L	EC50: 48 h <i>Daphnia magna</i> 1000 mg/L
D-limonene		LC50: 96 h <i>Pimephales promelas</i> 0.619 - 0.796 mg/L flow-through LC50: 96 h <i>Oncorhynchus mykiss</i> 35 mg/L	
Ethanol		LC50: 96 h <i>Oncorhynchus mykiss</i> 12.0 - 16.0 mL/L static LC50: 96 h <i>Pimephales promelas</i> 100 mg/L static LC50: 96 h <i>Pimephales promelas</i> 13400 - 15100 mg/L flow-through	LC50: 48 h <i>Daphnia magna</i> 9268 - 14221 mg/L EC50: 48 h <i>Daphnia magna</i> 2 mg/L Static
Naphtha, petroleum, hydrotreated heavy		LC50: 96 h <i>Pimephales promelas</i> 2200 mg/L	
1,4-DIOXANE		LC50: 96 h <i>Lepomis macrochirus</i> 10000 mg/L static LC50: 96 h <i>Lepomis macrochirus</i> 10000 mg/L semi-static LC50: 96 h <i>Pimephales promelas</i> 9850 mg/L flow-through	EC50: 48 h water flea 163 mg/L Static

		LC50: 96 h Pimephales promelas 10306 - 14742 mg/L static LC50: 96 h Pimephales promelas 9850 mg/L	
Ethylene oxide		LC50: 96 h Pimephales promelas 73 - 96 mg/L	LC50: 48 h Daphnia magna 137 - 300 mg/L

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
Ethylene glycol monobutyl ether	0.81
Ethanol	-0.32
1,4-DIOXANE	-0.42
Ethylene oxide	-0.3

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**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. Waste codes should be assigned by the user based on the application for which the product was used.

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
Ethylene glycol monobutyl ether 111-76-2	RG 84	-
D-limonene 5989-27-5	RG 84	-
Ethanol 64-17-5	RG 84	-
Naphtha, petroleum, hydrotreated heavy 64742-48-9-LB	RG 84	-
1,4-DIOXANE 123-91-1	RG 84	-
Ethylene oxide 75-21-8	RG 66	-

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	Complies
IECSC	Complies
AICS	Complies
KECL	Complies
NZIoC	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

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

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H332 - Harmful if inhaled

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H351 - Suspected of causing cancer if inhaled

H335 - May cause respiratory irritation

H225 - Highly flammable liquid and vapor

H317 - May cause an allergic skin reaction

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H226 - Flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H331 - Toxic if inhaled

H340 - May cause genetic defects if inhaled

H350 - May cause cancer if swallowed

H220 - Extremely flammable gas

EUH066 - Repeated exposure may cause skin dryness or cracking

EUH019 - May form explosive peroxides

Prepared By Chemspec Regulatory Affairs/Product Safety

Revision Date 15-Nov-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