Safety Data Sheet

Revision Date 06-Nov-2017
Version 3

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

1.1 Product identifier

Product name Express Lane Traffic Lane Cleaner

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

Acute toxicity - Oral	Category 4 - (H302)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Carcinogenicity	Category 2 - (H351)
Chronic aquatic toxicity	Category 3 - (H412)

2.2 Label elements

Signal Word
Warning

Hazard Statements
H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H351 - Suspected of causing cancer
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)
P280 - Wear eye protection/ face protection
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Contains Ethoxylated Lauryl Alcohol, TRISODIUM NTA, MIXTURE OF 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2 H-ISOTHIAZOL-3-ONE (3:1)

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	10 - 25	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315)	01-2119475108-36-XXXX

				Eye Irrit. 2 (H319)	
TRISODIUM NTA	225-768-6	5064-31-3	2.5 - 10	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Carc. 2 (H351)	no data available
Ethoxylated Lauryl Alcohol	-	9002-92-0	2.5 - 10	Acute Tox. 4 (H302)	no data available
METHANOL	200-659-6	67-56-1	< 0.1	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	no data available
MIXTURE OF 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2 H-ISOTHIAZOL-3-ONE (3:1)	-	55965-84-9	< 0.1	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available
ETHYL ACRYLATE	205-438-8	140-88-5	< 0.1	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225)	no data available
sodium cyanide	205-599-4	143-33-9	< 0.1	Acute Tox. 2 (H300) Acute Tox. 1 (H310) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH032)	no data available
Acetaldehyde	200-836-8	75-07-0-LB	< 0.1	Eye Irrit. 2 (H319) Carc. 2 (H351) STOT SE 3 (H335) Flam. Liq. 1 (H224)	no data available
Ethylene oxide	200-849-9	75-21-8-LB	< 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

Inhalation Move to fresh air.

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

Ingestion Clean mouth with water and drink afterwards plenty of 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
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

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

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
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
Ethylene glycol monobutyl ether 111-76-2	S* TWA 20 ppm TWA 98 mg/m³ STEL 50 ppm STEL 246 mg/m³	Skin STEL 40 ppm STEL 200 mg/m³ TWA: 20 ppm TWA: 98 mg/m³	TWA: 20 ppm TWA: 98 mg/m³ S* STEL: 50 ppm STEL: 246 mg/m³	TWA: 20 ppm TWA: 98 mg/m³ Skin	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Skin	TWA: 10 ppm TWA: 49 mg/m³ STEL: 50 ppm STEL: 246 mg/m³
METHANOL 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ Skin	Skin STEL 800 ppm STEL 1040 mg/m³ TWA: 200 ppm TWA: 260 mg/m³	TWA: 200 ppm TWA: 266 mg/m³ S* STEL: 250 ppm STEL: 333 mg/m³	TWA: 200 ppm TWA: 260 mg/m³ Skin	TWA: 200 ppm TWA: 270 mg/m³ STEL: 250 ppm STEL: 330 mg/m³ Skin	TWA: 200 ppm TWA: 260 mg/m³ STEL: 1000 ppm STEL: 1300 mg/m³
MIXTURE OF 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2 H-ISOTHIAZOL-3-ONE (3:1) 55965-84-9		Skin TWA: 0.05 mg/m³				
ETHYL ACRYLATE 140-88-5		Skin STEL 10 ppm STEL 40 mg/m³ TWA: 5 ppm TWA: 20 mg/m³	TWA: 5 ppm TWA: 21 mg/m³ STEL: 10 ppm STEL: 42 mg/m³	TWA: 5 ppm TWA: 21 mg/m³ Skin	TWA: 5 ppm TWA: 21 mg/m³ STEL: 10 ppm STEL: 42 mg/m³ Skin	TWA: 5 ppm TWA: 21 mg/m³ STEL: 42 mg/m³ STEL: 10 ppm
sodium cyanide 143-33-9			Maximum Limit Value: 5 mg/m³ S*	Ceiling: 5 mg/m³ Skin	TWA: 1 mg/m³ STEL: 5 mg/m³ Skin	TWA: 5 mg/m³
Acetaldehyde 75-07-0-LB		STEL 50 ppm STEL 90 mg/m³ TWA: 50 ppm TWA: 90 mg/m³ Ceiling 50 ppm Ceiling 90 mg/m³	Maximum Limit Value: 25 ppm Maximum Limit Value: 46 mg/m³	Ceiling: 25 ppm Ceiling: 45 mg/m³	STEL: 25 ppm STEL: 46 mg/m³	TWA: 100 ppm TWA: 180 mg/m³
Ethylene oxide 75-21-8-LB		Skin	TWA: 1 ppm TWA: 1.8 mg/m³	TWA: 1 ppm TWA: 1.8 mg/m³	TWA: 1 ppm TWA: 1.8 mg/m³	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/m³ Skin	TWA: 20 ppm TWA: 100 mg/m³ TWA: 25 ppm S* Ceiling: 40 ppm Ceiling: 200 mg/m³ Ceiling: 50 ppm STEL: 50 ppm STEL: 246 mg/m³	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 246 mg/m³ Skin	TWA: 20 ppm TWA: 98 mg/m³ TWA: 97 mg/m³ STEL: 50 ppm STEL: 246 mg/m³ Skin	S* STEL: 50 ppm STEL: 246 mg/m³ TWA: 20 ppm TWA: 98 mg/m³	Skin STEL: 246 mg/m³ TWA: 100 mg/m³
METHANOL 67-56-1	TWA: 200 ppm TWA: 270 mg/m³ Skin	TWA: 200 ppm TWA: 260 mg/m³ S* Ceiling: 400 ppm Ceiling: 520 mg/m³	TWA: 200 ppm TWA: 260 mg/m³ STEL: 600 ppm STEL: 780 mg/m³ Skin	TWA: 200 ppm TWA: 260 mg/m³ STEL: 250 ppm STEL: 328 mg/m³ TWA: 262 mg/m³ Skin	S* TWA: 200 ppm TWA: 260 mg/m³	Skin TWA: 133 mg/m³ TWA: 100 ppm
ETHYL ACRYLATE	TWA: 5 ppm	TWA: 5 ppm	TWA: 5 ppm	STEL: 15 ppm	STEL: 42 mg/m³	STEL: 42 mg/m³

140-88-5	TWA: 21 mg/m³	TWA: 21 mg/m³ S* Ceiling: 10 ppm Ceiling: 42 mg/m³ STEL: 10 ppm STEL: 42 mg/m³	TWA: 20 mg/m³ STEL: 10 ppm STEL: 41 mg/m³ Skin	STEL: 61 mg/m³ TWA: 5 ppm TWA: 20 mg/m³	STEL: 10 ppm TWA: 21 mg/m³ TWA: 5 ppm	TWA: 21 mg/m³
sodium cyanide 143-33-9	TWA: 3.8 mg/m³ TWA: 2 mg/m³ H*	S* STEL: 5 mg/m³				Skin STEL: 10 mg/m³ TWA: 1 mg/m³
Acetaldehyde 75-07-0-LB	TWA: 50 ppm TWA: 91 mg/m³ Skin	STEL: 25 ppm STEL: 45 mg/m³	TWA: 25 ppm TWA: 45 mg/m³ STEL: 25 ppm STEL: 45 mg/m³			STEL: 92 mg/m³ TWA: 37 mg/m³
Ethylene oxide 75-21-8-LB	Skin	TWA: 1 ppm TWA: 1.8 mg/m³ S* Ceiling: 2 ppm Ceiling: 3.6 mg/m³	TWA: 5 ppm TWA: 10 mg/m³ STEL: 15 ppm STEL: 30 mg/m³	TWA: 1 ppm TWA: 1.8 mg/m³		TWA: 0.84 mg/m³
Chemical Name	**Norway**	**Portugal**	**Spain**	**Sweden**	**Switzerland**	**The United Kingdom**
Ethylene glycol monobutyl ether 111-76-2	TWA: 10 ppm TWA: 50 mg/m³ Skin STEL: 20 ppm STEL: 75 mg/m³	STEL: 50 ppm STEL: 246 mg/m³ TWA: 20 ppm TWA: 98 mg/m³	S* STEL: 50 ppm STEL: 245 mg/m³ TWA: 20 ppm TWA: 98 mg/m³	LLV: 10 ppm LLV: 50 mg/m³ S* STV: 20 ppm STV: 100 mg/m³	Skin STEL: 20 ppm STEL: 98 mg/m³ TWA: 10 ppm TWA: 49 mg/m³	STEL: 50 ppm STEL: 246 mg/m³ TWA: 25 ppm TWA: 123 mg/m³ Skin
METHANOL 67-56-1	TWA: 100 ppm TWA: 130 mg/m³ Skin STEL: 150 ppm STEL: 162.5 mg/m³	STEL: 250 ppm TWA: 200 ppm TWA: 260 mg/m³	S* TWA: 200 ppm TWA: 266 mg/m³	LLV: 200 ppm LLV: 250 mg/m³ S* STV: 250 ppm STV: 350 mg/m³	Skin STEL: 800 ppm STEL: 1040 mg/m³ TWA: 200 ppm TWA: 260 mg/m³	STEL: 250 ppm STEL: 333 mg/m³ TWA: 200 ppm TWA: 266 mg/m³ Skin
ETHYL ACRYLATE 140-88-5	TWA: 5 ppm TWA: 21 mg/m³ Skin STEL: 10 ppm STEL: 42 mg/m³	STEL: 10 ppm STEL: 42 mg/m³ TWA: 5 ppm TWA: 21 mg/m³	STEL: 10 ppm STEL: 42 mg/m³ TWA: 5 ppm TWA: 21 mg/m³	LLV: 5 ppm LLV: 20 mg/m³ S* STV: 10 ppm STV: 40 mg/m³	STEL: 10 ppm STEL: 40 mg/m³ TWA: 5 ppm TWA: 20 mg/m³	STEL: 10 ppm STEL: 42 mg/m³ TWA: 5 ppm TWA: 21 mg/m³
sodium cyanide 143-33-9	TWA: 5 mg/m³ Skin STEL: 5 mg/m³	Ceiling: 5 mg/m³	S* STEL: 5 mg/m³	LLV: 2 mg/m³ S* CLV: 4 mg/m³	Skin STEL: 3.8 mg/m³ TWA: 3.8 mg/m³	TWA: 5 mg/m³ Skin
Acetaldehyde 75-07-0-LB	TWA: 25 ppm TWA: 45 mg/m³ STEL: 37.5 ppm STEL: 67.5 mg/m³	Ceiling: 25 ppm	STEL: 25 ppm STEL: 46 mg/m³	LLV: 25 ppm LLV: 45 mg/m³ STV: 50 ppm STV: 90 mg/m³	STEL: 50 ppm STEL: 90 mg/m³ TWA: 90 mg/m³ TWA: 50 ppm	STEL: 50 ppm STEL: 92 mg/m³ TWA: 20 ppm TWA: 37 mg/m³
Ethylene oxide 75-21-8-LB	TWA: 1 ppm STEL: 3 ppm	TWA: 1 ppm	TWA: 1 ppm TWA: 1.8 mg/m³	LLV: 1 ppm LLV: 2 mg/m³ S* STV: 5 ppm STV: 9 mg/m³	Skin TWA: 1 ppm TWA: 2 mg/m³	STEL: 15 ppm STEL: 27.6 mg/m³ TWA: 5 ppm TWA: 9.2 mg/m³

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 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

Physical state	Liquid
Appearance	Opaque
Color	White
Odor	Solvent
Odor Threshold	No information available

Property	Values	Remarks
pH	9.4	
Melting/freezing point		No information available
Boiling point/boiling range		No information available
Flash Point	68 °C / 154 °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	1.048 g/cc	
Water solubility	completely soluble	
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 20.5%

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

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.

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)	1,703.00 mg/kg
ATEmix (dermal)	5,191.00 mg/kg
ATEmix (inhalation-dust/mist)	41.00 mg/l
ATEmix (inhalation-vapor)	54.00 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
Ethylene glycol monobutyl ether	470 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
TRISODIUM NTA	920 mg/kg (Rat)		> 5 mg/L (Rat) 4 h
sodium cyanide	5.733 mg/kg (Rat)	= 14.602 mg/kg (Rabbit)	= 0.16 mg/L (Rat) 1 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
TRISODIUM NTA	Carc. 2
Acetaldehyde	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.

Target Organs Blood. Central nervous system. Eyes. Hematopoietic System. Kidney. Liver. Respiratory system. Skin.

Aspiration hazard No information available.

12. Ecological information

12.1 Toxicity

9.728 % 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 and other aquatic invertebrates
Ethylene glycol monobutyl ether		LC50: 96 h Lepomis macrochirus 1490 mg/L static LC50: 96 h Lepomis macrochirus 2950 mg/L	EC50: 48 h Daphnia magna 1000 mg/L
TRISODIUM NTA		LC50: 96 h Pimephales promelas 93 - 170 mg/L flow-through LC50: 96 h Lepomis macrochirus 175 - 225 mg/L static LC50: 96 h Lepomis macrochirus 252 mg/L LC50: 96 h Pimephales promelas 470 mg/L static LC50: 96 h Oryzias latipes 560 - 1000 mg/L LC50: 96 h Oryzias latipes 560 - 1000 mg/L semi-static LC50: 96 h Oncorhynchus mykiss 72 - 133 mg/L static LC50: 96 h Poecilia reticulata 560 - 1000 mg/L semi-static LC50: 96 h Poecilia reticulata 560 - 1000 mg/L LC50: 96 h Pimephales promelas 114 mg/L	LC50: 48 h Daphnia magna 560 - 1000 mg/L
METHANOL		LC50: 96 h Pimephales promelas 28200 mg/L flow-through LC50: 96 h Pimephales promelas 100 mg/L static LC50: 96 h Oncorhynchus mykiss 19500 - 20700 mg/L	

		flow-through LC50: 96 h Oncorhynchus mykiss 18 - 20 mL/L static LC50: 96 h Lepomis macrochirus 13500 - 17600 mg/L flow-through	
ETHYL ACRYLATE	EC50: 72 h Desmodesmus subspicatus 48 mg/L	LC50: 96 h Oncorhynchus mykiss 4.6 mg/L LC50: 96 h Pimephales promelas 2.31 - 2.7 mg/L flow-through	EC50: 48 h Daphnia magna 7.9 mg/L
sodium cyanide		LC50: 96 h Lepomis macrochirus 0.066 - 0.0852 mg/L flow-through LC50: 96 h Lepomis macrochirus 0.15 mg/L static LC50: 96 h Oncorhynchus mykiss 0.0391 - 0.0548 mg/L static LC50: 96 h Oncorhynchus mykiss 0.0558 - 0.0586 mg/L flow-through LC50: 96 h Pimephales promelas 0.0712 - 0.0936 mg/L flow-through LC50: 96 h Pimephales promelas 0.17 mg/L static	
Acetaldehyde		LC50: 96 h Pimephales promelas 28.0 - 34.0 mg/L flow-through LC50: 96 h Lepomis macrochirus 53 mg/L static LC50: 96 h Oncorhynchus mykiss 1.8 - 2.4 mg/L static LC50: 96 h Pimephales promelas 39.8 - 46.8 mg/L static	EC50: 48 h Daphnia magna 3.64 - 6.15 mg/L Static EC50: 48 h Daphnia magna 48.3 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
METHANOL	-0.77
ETHYL ACRYLATE	1.18
Acetaldehyde	0.5
Ethylene oxide	-0.3

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.

Chemical Name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
sodium cyanide	Group III Chemical		

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
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	-
METHANOL 67-56-1	RG 84	-
ETHYL ACRYLATE 140-88-5	RG 65	-
Acetaldehyde 75-07-0-LB	RG 84	-
Ethylene oxide 75-21-8-LB	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
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation
H225 - Highly flammable liquid and vapor
H300 - Fatal if swallowed
H310 - Fatal in contact with skin
H330 - Fatal if inhaled
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H331 - Toxic if inhaled
H314 - Causes severe skin burns and eye damage
H341 - Suspected of causing genetic defects if inhaled
H350 - May cause cancer if swallowed

H351 - Suspected of causing cancer if inhaled
H370 - Causes damage to organs if inhaled
H224 - Extremely flammable liquid and vapor
H340 - May cause genetic defects if inhaled
H220 - Extremely flammable gas
EUH032 - Contact with acids liberates very toxic gas

Prepared By	Chemspec Regulatory Affairs/Product Safety
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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