

## COVERAGE FOR SWITZERLAND

<b>SECTION 1</b>	<b>DESIGNATION OF THE MIXTURE AND THE COMPANY</b>
------------------	---

### 1.1 Product identifier

Product name : PIN PROTECTION  
Item number : 84104  
UFI : GQWG-V7E1-N00W-P36P

### 1.2 Uses of the mixture

SU21 Consumer product, Boat and ship maintenance

### 1.3 Details about the supplier

Supplier : TELL's Power AG  
Bahnhofweg 2 + 4  
CH-6405 Immensee

Phone : 041 850 77 44  
E-Mail : [info@tellspower.ch](mailto:info@tellspower.ch)  
Website : [www.tellspower.ch](http://www.tellspower.ch)

### 1.4 Emergency number

EMERGENCY PHONE TOX Center: **145** (24 hrs.)

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : STAR BRITE LIQUID ELECTRICAL TAPE - BLACK  
Product code : 84104

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

Application : SU21 Consumer product. PC1 Sealant.

1.3. Details of the supplier of the safety data sheet

Supplier : Star Brite Europe Inc.  
86 bis route de Brignais  
69630 Chaponost, France  
Telephone : +33-478-56-77-80  
Fax : +33-472-39-97-96  
E-mail : jp.kitzinger@starbrite-europe.com  
Website : www.starbrite.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

Telephone : 144, 118, 117

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):

National Poisons Information Service 145 (24/7)

SECTION 2 HAZARDS IDENTIFICATION \*

2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC) : Flammable liquid, category 2. Acute toxicity, category 4. Skin irritation, category 2. Eye irritation, category 2. Specific target organ toxicity after single exposure, category 3. Specific target organ toxicity — repeated exposure, category 2.

Human health hazards : Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to the central nervous system through prolonged or repeated exposure.

Physical/chemical hazards : Highly flammable. Keep away from sources of ignition — No smoking.

Environmental hazards : Not classified as dangerous according to statutory EC-Directives.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Danger

H- and P-phrases : H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to the central nervous system through prolonged or repeated exposure.  
centralns  
P101 If medical advice is needed, have product container or label at hand.

- P102 Keep out of reach of children.
- P260 vapour Do not breathe vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container to an official chemical waste depot.

Additional labelling (for all packaging sizes)

- : Contains: Xylene (mixed isomers) ; 2-Butanone ; Acetone .
- : 28 per cent of the mixture consists of component(s) of unknown acute toxicity. Contains 33 % of components with unknown hazards to the aquatic environment.

Other information : According to Regulation (EC) No 1272/2008, the packaging of this product shall carry a tactile warning of danger.

**2.3. Other hazards**

Other information : The product does not need to carry all label elements required by Article 17 of Regulation (EC) No 1272/2008 on the basis of Annex I, point 1.5.2.1. Exemption for packages where the contents do not exceed 125 ml. Does not contain PBT or vPvB substances.

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS** \*

**3.2. Mixtures**

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Xylene (mixed isomers)	25 - < 50	1330-20-7	215-535-7		01-2119471330-49
2-Butanone	10 - < 20	78-93-3	201-159-0		
Oxydipropyl dibenzoate	5 - < 10	27138-31-4	248-258-5		
Acetone	1 - < 5	67-64-1	200-662-2		
Talc	1 - < 5	14807-96-6	238-877-9	MAC	
Carbon Black	0,1 - < 1	1333-86-4	215-609-9	MAC	

Occupational exposure limit(s), if relevant, are listed in section 8.

Substance name	Hazard Class	H-phrases	Pictograms
Xylene (mixed isomers)	Flam. Liq. 3; Asp. Tox. 1; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; STOT RE 2	H226; H304; H332; H312; H315; H319; H335; H373	GHS02; GHS07; GHS08
2-Butanone	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	H225; H319; H336; EUH066	GHS02; GHS07
Oxydipropyl dibenzoate	Aquatic Chronic 3	H412	----
Acetone	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	H225; H319; H336; EUH066	GHS02; GHS07
Talc	----	----	----
Carbon Black	----	----	----

Reference is made to chapter 16 for full text of each relevant H phrase.

**SECTION 4 FIRST-AID MEASURES** \*

**4.1. Description of first aid measures**

First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor immediately if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation persists.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor.
- Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor.

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

Effects and symptoms

- Inhalation : Irritant. May cause sore throat and coughing. May cause headache, drowsiness, dizziness and a feeling of sickness. May cause a feeling of sickness, malaise, shortness of breath and lack of breathe. May cause unconsciousness or death in severe cases.
- Skin contact : Irritant. May cause redness.
- Eye contact : Irritant. May cause redness and pain.
- Ingestion : May cause a feeling of sickness, vomiting and diarrhoea.

**4.3. Indication of any immediate medical attention and special treatment needed**

- Note to physicians : None known.

**SECTION 5 FIRE-FIGHTING MEASURES**

**5.1. Extinguishing media**

Extinguishing media

- Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.
- Not suitable : Water jet.

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

- Special exposure hazards : None known.
- Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

**5.3. Advice for firefighters**

- Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

- Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. Keep away from sources of ignition — No smoking. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.

**6.2. Environmental precautions**

- Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike.
- Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

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

- Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

**6.4. Reference to other sections**

Reference to other sections : See also section 8.

<b>SECTION 7      HANDLING AND STORAGE</b>
--

**7.1. Precautions for safe handling**

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Do not breathe vapour. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

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

Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents. Protect from sunlight. Keep away from food, drink and animal feedingstuffs.

Recommended packaging : Keep only in the original container.

Non recommended packaging : PE and PP.

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

Use : Use only as directed.

<b>SECTION 8      EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	*
---	---

**8.1. Control parameters**

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m<sup>3</sup>):

Chemical name	Country	TWA 8 hour (mg/m3)	STEL 15 min (mg/m3)	Comments
Xylene (mixed isomers)	GB	220	441	Skin, BMGV
Xylene (mixed isomers)	EC	221	442	Skin
2-Butanone	GB	600	899	Skin; BMGV
2-Butanone	EC	600	900	-
Acetone	GB	1210	3620	-
Acetone	EC	1210	-	-
Talc	GB	1	-	Respirable fraction.
Talc		2	-	-
Carbon Black	GB	3,5	7	-
Carbon Black		2	-	MAC: HU

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Xylene (mixed isomers)	Dermal				180 mg/kg bw/day
	Inhalation		289 mg/m3		77 mg/m3
2-Butanone	Dermal				1161 mg/kg bw/day
	Inhalation				600 mg/m3
Oxydipropyl dibenzoate	Dermal		170 mg/kg bw		10 mg/kg bw/day

Acetone	Inhalation		35,08 mg/m <sup>3</sup>		8,8 mg/m <sup>3</sup>
	Dermal				186 mg/kg bw/day
Carbon Black	Inhalation	2420 mg/m <sup>3</sup>		2 mg/m <sup>3</sup>	1210 mg/m <sup>3</sup>
	Inhalation				2 mg/m <sup>3</sup>

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Xylene (mixed isomers)	Dermal				108 mg/kg bw/day
	Inhalation	174 mg/m <sup>3</sup>	174 mg/m <sup>3</sup>		14,8 mg/m <sup>3</sup>
	Oral				1,6 mg/kg bw/day
2-Butanone	Dermal				412 mg/kg bw/day
	Inhalation				106 mg/m <sup>3</sup>
	Oral				31 mg/kg bw/day
Oxydipropyl dibenzoate	Dermal		80 mg/kg bw		0,22 mg/kg bw/day
	Inhalation		8,7 mg/m <sup>3</sup>		8,69 mg/m <sup>3</sup>
	Oral		80 mg/kg bw		5 mg/kg bw/day
Acetone	Dermal				62 mg/kg bw/day
	Inhalation				200 mg/m <sup>3</sup>
	Oral				62 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Xylene (mixed isomers)	Water	0,327 mg/l	0,327 mg/l	
	Sediment	12,46 mg/kg	12,46 mg/kg	
	Intermittent water			0,327 mg/l
	STP			6,58 mg/l
2-Butanone	Soil			2,31 mg/kg
	Water	55,8 mg/l	55,8 mg/l	
	Sediment	284,74 mg/kg	284,7 mg/kg	
	Intermittent water			55,8 mg/l
	STP			709 mg/l
Oxydipropyl dibenzoate	Soil			22,5 mg/kg
	Oral			1000 mg/kg food
	Water	0,0037 mg/l	0,00037 mg/l	
	Sediment	1,49 mg/kg	0,149 mg/kg	
	Intermittent water			0,037 mg/l
	STP			10 mg/l
Acetone	Soil			1 mg/kg
	Oral			333 mg/kg food
	Water	10,6 mg/l	1,06 mg/l	
	Sediment	30,4 mg/kg	3,04 mg/kg	
	Intermittent water			21 mg/l
Carbon Black	STP			100 mg/l
	Soil			29,5 mg/kg
	Water	5 mg/l	5 mg/l	

## 8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.



- Body protection : Use of specific protective industrial clothing is not required for momentary use. Wear suitable protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345 in case of frequent or prolonged use and in case of large scale exposure. Suitable material: PVA. Indication of permeation breakthrough time: 1 hour.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.
- Hand protection : Wear appropriate safety gloves in accordance with EN 374. Suitable material: PVA. ± 0,5 mm. Indication of permeation breakthrough time: 1 hour.
- Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES** \*

**9.1. Information on basic physical and chemical properties**

Appearance	: Liquid.	
Colour	: Black.	
Odour	: Aromatic.	
Odour threshold	: Not known.	
pH	: Not applicable.	Waterfree product.
Solubility in water	: Not soluble.	
Partition coefficient (n-octanol/water)	: Not known.	
Flash point	: 7 °C	
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 183 °C	
Boiling point/boiling range	: 56 °C	
Melting point/melting range	: < 0 °C	
Explosive properties	: None known.	Does not contain explosives.
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 1 ( Xylene (mixed isomers) )
		Upper explosion limit in air (%): 13 Acetone
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: > 20,5 mm <sup>2</sup> /sec	(1 mm <sup>2</sup> /sec = 1cSt)
Viscosity (40°C)	: > 20,5 mm <sup>2</sup> /sec	
Vapour pressure (20°C)	: 12600 Pa	
Vapour density (20°C)	: > 1	(air = 1)
Relative density (20°C)	: 0,96 g/ml	
Evaporation rate	: < 1	(n-butyl acetate = 1)

**SECTION 10 STABILITY AND REACTIVITY**

**10.1. Reactivity**

Reactivity : See sub-sections below.

**10.2. Chemical stability**

Stability : Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactivity : No other hazardous reactions known.

**10.4. Conditions to avoid**

Conditions to avoid : See section 7.

**10.5. Incompatible materials**

Materials to avoid : Keep away from oxidizing agents.

**10.6. Hazardous decomposition products**

Hazardous decomposition products : Not known.

<b>SECTION 11 TOXICOLOGICAL INFORMATION</b>	*
---	---

**11.1. Information on toxicological effects**

No toxicological research has been carried out on this product.

**Inhalation**

- Acute toxicity : Harmful. Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 33 %. ATE: 2,68 mg/l. May cause damage to organs. Target organ(s): Respiratory system. Effect(s): Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, lightheadedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death. May cause headache, drowsiness, dizziness and a feeling of sickness. May cause irritation to respiratory airways and coughing.
- Chronic toxicity : Possibility of organ or organ system damage due to prolonged exposure. Target organ(s): Central nervous system. Effect: Repeated exposure affects the nervous system. May cause toxic encephalopathy.
- Corrosion/irritation : May cause respiratory irritation.
- Sensitisation : Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

**Skin contact**

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Irritant. May cause redness. Repeated exposure may cause skin dryness or cracking.
- Sensitisation : Does not contain skin sensitisers. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

**Eye contact**

- Corrosion/irritation : Irritant.

**Ingestion**

- Acute toxicity : Calculated LD50: > 2913 mg/kg.bw. Ingredients of unknown toxicity: 28 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Aspiration : Highly viscous liquid. Not classified - based on available data, the classification criteria are not met. Contains a substance/substances with an aspiration hazard. After ingestion, at vomiting, risk of aspiration in the lungs.
- Chronic toxicity : Possibility of organ or organ system damage due to prolonged exposure.
- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.



- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal	
Xylene (mixed isomers)	LC50 (inhalation) - estimate	1500 mg/m3			
	LD50 (dermal) - estimate	1100 mg/kg bw			
	LC50 (inhalation)	> 10000 mg/m3		Rat	
	NOAEL (oral)	150 mg/kg bw/d	OECD 408	Rat	
	NOAEL (inhalation)	> 3515 mg/m3	-----	Rat	
	Skin irritation	Moderately irritant	OECD 404	Rabbit	
	Eye irritation	Slightly irritant	OECD 405	Rabbit	
	NOAEL (development, oral)	Not teratogenic			
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit	
	LD50 (oral)	4300 mg/kg bw	-----	Rat	
	Genotoxicity - in vitro	Not genotoxic	OECD 473		
	Mutagenicity	Negative	OECD 471		
	Genotoxicity - in vivo	Not genotoxic		Rat	
	NOEL (carcinogenicity, oral)	> 500 mg/kg bw/d	OECD 451	Rat	
	NOAEL (fertility, inh.)	> 2171 mg/m3	-----	Rat	
	NOAEL (developmental toxicity, inh.)	2171 mg/m3	OECD 414	Rat	
	2-Butanone	LD50 (oral)	2737 mg/kg bw	-----	Rat
LD50 (dermal)		6400 mg/kg bw		Rabbit	
LC50 (inhalation)		> 5000 mg/m3		Rat	
NOAEL (oral)		2500 mg/kg bw/d		Rat	
Skin sensitisation		Not sensitizing		Guinea pig	
Skin irritation		Moderately irritant		Rabbit	
Eye irritation		Highly irritant		Rabbit	
Genotoxicity - in vitro		Not genotoxic	OECD 473	-----	
Mutagenicity		Negative	OECD 471	Salmonella typhimurium	
Genotoxicity - in vivo		Not genotoxic	OECD 474	Mouse	
NOAEL (developmental toxicity, inh.)		2955 mg/m3	OECD 414	Rat	
NOAEL (fertility) - estimate		1644 mg/kg.d		Rat	
NOAEL (inhalation)		14790 mg/m3	OECD 413	Rat	
Inhalation sensitisation - estimate		Not sensitizing	-----	Guinea pig	
Acetone		LC50 (inhalation)	50100 mg/m3		Rat
		Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
		NOAEL (oral)	> 273 mg/kg bw/d		Rat
	Skin irritation	Mildly irritant	OECD 404	Rabbit	
	Eye irritation	Moderately irritant		Rabbit	
	LD50 (dermal)	> 15688 mg/kg bw		Rabbit	
	Mutagenicity	Not mutagenic	-----	-----	
	NOAEL (fertility, inh.)	Not reprotoxic		Mouse	
	LD50 (oral)	5800 mg/kg bw	-----	Rat	
	NOEL (carcinogenicity, inh.)	Not carcinogenic			

NOEL (carcinogenicity, oral)	Not carcinogenic		
NOAEL (developmental toxicity, inh.)	26500 mg/m <sup>3</sup>	OECD 414	Rat
NOAEL (development) - estimate	900 mg/kg.d	----	Rat
NOEL (carcinogenicity, dermal)	Not carcinogenic	----	Mouse

**SECTION 12 ECOLOGICAL INFORMATION** \*

**12.1. Toxicity**

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 45 mg/l. Calculated EC50 (waterflea): 198 mg/l. Contains 33 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met. May form an oil film on the water surface causing a decline in oxygen content with possible adverse effects for aquatic organisms.

**12.2. Persistence and degradability**

Persistence – degradability : No specific information known.

**12.3. Bioaccumulative potential**

Bioaccumulative potential : No specific information known.

**12.4. Mobility in soil**

Mobility : Adsorbs to soil and has low mobility.

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

PBT/vPvB assessment : Does not contain PBT or vPvB substances.

**12.6. Other adverse effects**

Other information : Not applicable.

**SECTION 13 DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

**SECTION 14 TRANSPORT INFORMATION** \*

**14.1. UN number**

UN nr. : UN 1993

**14.2. UN proper shipping name**

Transport name : FLAMMABLE LIQUID, N.O.S. ( 2-Butanone ; Acetone )  
Transport name (IMDG, IATA) : FLAMMABLE LIQUID, N.O.S. ( 2-Butanone ; Acetone )

### 14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : 3  
Classification code : F1  
Packaging group : II  
Danger label : 3  
Tunnel restriction code : E



Other information : Not intended for carriage by tank-vessels on inland waterways.

IMDG (sea)

Class : 3  
Packaging group : II  
EmS (fire / spill) : F - E / S - E  
Marine pollutant : No

IATA (air)

Class : 3

### 14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

## SECTION 15 REGULATORY INFORMATION

\*

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

Community regulations : Regulation (EU) No 2015/830 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.  
: This product is exempted from classification as "May be fatal if swallowed and enters airways" on basis of section 3.10.3.3.1.1. of Annex I of Regulation (EC) No 1272/2008.

### 15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

## SECTION 16 OTHER INFORMATION

\*

### 16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2015/830 dated 28 May 2015 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (\*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
CLP	: Classification, Labeling & Packaging
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
EEC	: European Economic Community
GHS	: Globally Harmonized System of Classification and Labelling of Chemicals
IATA	: International Air Transport Association
IBC code	: International Bulk Chemical Code
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MAC	: Maximum Allowable Concentration
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development
PBT	: Persistent, Bioaccumulative and Toxic
PC	: Chemical product category
PT	: Product type
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	: Sewage Treatment Plant
SU	: Sector of Use
TWA/STEL	: Time-Weighted Average/Short Term Exposure Limit
UN	: United Nations
VOC	: Volatile Organic Compounds
vPvB	: Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Flam. Liq. 2	: Based on test results.
Acute Tox. 4	: Calculation method
Skin Irrit. 2	: Calculation method
Eye Irrit. 2	: Calculation method
STOT SE 3	: Calculation method
STOT RE 2	: Calculation method

Full text of hazard classes mentioned in section 3:

Flam. Liq. 2	: Flammable liquid, category 2.
Flam. Liq. 3	: Flammable liquid, hazard category 3.
Acute Tox. 4	: Acute toxicity, category 4.
Skin Irrit. 2	: Skin irritation, category 2.
Eye Irrit. 2	: Eye irritation, category 2.
STOT SE 3	: Specific target organ toxicity after single exposure, category 3.
STOT RE 2	: Specific target organ toxicity — repeated exposure, category 2.
Asp. Tox. 1	: Aspiration hazard, category 1.
Aquatic Chronic 3	: Hazardous to the aquatic environment — Chronic category 3.

Full text of H-phrases mentioned in section 3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.  
EUH066 Repeated exposure may cause skin dryness or cracking.

Number format : "," used as decimal separator.

---

End of safety data sheet.