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 : 841-BLK

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

Application : SU21 Consumer product. PC1 Other adhesives and sealants.

1.3. Details of the supplier of the safety data sheet

Supplier : Star brite Nederland B.V.
Kryptonweg 7
NL-3812 RZ Amersfoort, The Netherlands
Telephone : +31(0)337853616
E-mail : info@starbrite.nl
Website : http://www.starbrite.nl

Supplier : Star Brite Europe, LLC.
4041 SW 47TH AVE
33314 Fort Lauderdale, FL
United States of America
Telephone : +1 954 587 6280
E-mail : europe@starbrite.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:
NL - Telephone : +31(0)337853616 (During office hours only)

SECTION 2 HAZARDS IDENTIFICATION *

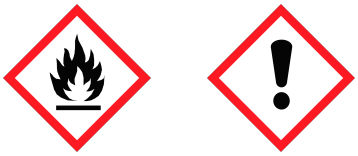
2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC) : Flammable liquid, category 2. Skin irritation, category 2. Eye irritation, category 2. Specific target organ toxicity after single exposure, category 3. Hazardous to the aquatic environment — Chronic category 3.

Human health hazards : Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.
Physical/chemical hazards : Highly flammable. Keep away from sources of ignition — No smoking.
Environmental hazards : Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements ((EU) 1272/2008):
Hazard pictograms :



Signal word : Danger

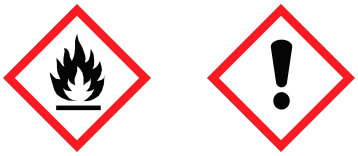
H- and P-phrases :

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing vapours.
P280	Wear protective gloves and eye protection.
P305+P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P273	Avoid release to the environment.
P501	Dispose of contents/container to an official chemical waste depot.

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:

Hazard pictograms :



Signal word : Danger

H- and P-phrases :

H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P261	Avoid breathing 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 ; Butanone ; Acetone .

: 28 per cent of the mixture consists of component(s) of unknown acute toxicity. Contains 28 % 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 : 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	25 - < 50	1330-20-7	215-535-7		
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	

Substance name	Hazard Class	H-phrases	Pictograms	
Xylene	Flam. Liq. 3; Asp. Tox. 1; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Acute Tox. 4; STOT SE 3; STOT RE 2; Aquatic Chronic 3	H226; H304; H312; H315; H319; H332; H335; H373; H412	GHS02; GHS07; GHS08	
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	-----	-----	-----	

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

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.

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. 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 if victim feels unwell.

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.

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 (CO_2). Foam. Dry chemical. Water fog.

Not suitable : Water jet. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards	:	None known.
Hazardous thermal decomposition and combustion 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. Waste product should not be allowed to contaminate soil or water.
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.

SECTION 7 HANDLING AND STORAGE *

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). Protect from sunlight. Keep away from oxidizing agents.
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.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION *

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/m³):

Chemical name	Country	TWA 8 hour (mg/m3)	STEL 15 min (mg/m3)	Comments	Source
Xylene	EC	221	442	Skin	Directive 2000/39/EC
	GB	220	441	Skin, BMGV	
Butanone	EC	600	900	-	Directive 2000/39/EC
	GB	600	899	Skin	BMGV
Acetone	EC	1210	-	-	Directive 2000/39/EC
	GB	1210	3620	-	
Talc	GB	1	-	Respirable fraction.	
		2	-		MAC: BE, SL, CH, ES
Carbon Black	GB	3,5	7	-	
		2	-		MAC: HU
Ethylbenzene	EC	442	884	Skin	Directive 2000/39/EC
	GB	441	552	Skin	

Biological limit values (BMGV):

Substance	Country	Determinant	BMG-value	Specimen/Sampling Time/Remarks
			None known.	

Abbreviations BMG-list : B = Blood. U = Urine. b = At the end of the period of exposure. d = pre-shift.
Source : EH40/2005 (Fourth edition, 2020).

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	Inhalation		442 mg/m3	221 mg/m3	221 mg/m3
	Dermal				212 mg/kg bw/day
Butanone	Dermal				1161 mg/kg bw/day
	Inhalation				600 mg/m3
Oxydipropyl dibenzoate	Dermal		170 mg/kg bw		10 mg/kg bw/day
	Inhalation		35,08 mg/m3		8,8 mg/m3
Acetone	Dermal				186 mg/kg bw/day
	Inhalation			2420 mg/m3	1210 mg/m3
Talc	Inhalation	3,6 mg/m3	2,16 mg/m3	3,6 mg/m3	2,16 mg/m3
	Dermal			4,54 mg/kg bw/day	43,2 mg/kg bw/day
Carbon Black	Inhalation			2 mg/m3	2 mg/m3

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	Inhalation			65.3 mg/m3	65.3 mg/m3
	Dermal				125 mg/kg bw/day
	Oral				12.5 mg/kg bw/day
Butanone	Dermal				412 mg/kg bw/day
	Inhalation				106 mg/m3
	Oral				31 mg/kg bw/day
Oxydipropyl dibenzoate	Dermal		80 mg/kg bw		0,22 mg/kg bw/day
	Inhalation		8,7 mg/m3		8,69 mg/m3
	Oral		80 mg/kg bw		5 mg/kg bw/day

Acetone	Dermal				62 mg/kg bw/day
	Inhalation				200 mg/m3
	Oral				62 mg/kg bw/day
Talc	Inhalation	1,8 mg/m3	1,08 mg/m3	1,8 mg/m3	1,08 mg/m3
	Dermal			2,27 mg/kg bw/day	21,6 mg/kg bw/day
	Oral		160 mg/kg bw		160 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Xylene	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
	Soil			2,31 mg/kg
Butanone	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
	Soil			22,5 mg/kg
	Oral			1000 mg/kg food
Oxydipropyl dibenzoate	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
	Soil			1 mg/kg
	Oral			333 mg/kg food
Acetone	Water	10,6 mg/l	1,06 mg/l	
	Sediment	30,4 mg/kg	3,04 mg/kg	
	Intermittent water			21 mg/l
	STP			100 mg/l
	Soil			29,5 mg/kg
Talc	Water	597,97 mg/l	141,26 mg/l	
	Sediment	31,33 mg/kg	3,13 mg/kg	
Carbon Black	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: 6 hours.

Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. 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: 6 hours.

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

Physical state	:	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.	Not measured. Not relevant for mixtures.
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	:	Not explosive.	
Explosion limits (% in air)	:	Not known.	Lower explosion limit in air (%): 1 (Xylene)
	:		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 mm2/sec	(1 mm2/sec = 1cSt)
Viscosity (40°C)	:	> 20,5 mm2/sec	
Vapour pressure (20°C)	:	12600 Pa	
Relative vapour density	:	> 1	(air = 1)
Relative density (20°C)	:	0,96 g/ml	
Particle characteristics	:	Not applicable.	Liquid.

9.2. Other information

Other information	:	Not relevant.

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.

SECTION 11 TOXICOLOGICAL INFORMATION *

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological research has been carried out on this product.

Inhalation

- Acute toxicity : Ingredients of unknown toxicity: 33 %. ATE: > 20 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause damage to organs. Target organ(s): Respiratory system. Effect(s): May cause irritation to respiratory airways and coughing.
- Corrosion/irritation : May cause respiratory irritation. May cause sore throat and coughing.
- 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: > 2759 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.
- 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	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)	> 4200 mg/kg bw		Rabbit
	LD50 (oral)	3523 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
	LD50 (dermal) - estimate	1100 mg/kg bw		
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	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	NOAEL (oral)	900 mg/kg bw/d	OECD 408	Rat
	NOAEL (inhalation)	22500 mg/m3		Rat
	Skin irritation	Non-irritant	-----	Guinea pig
	Eye irritation	Moderately irritant	OECD 405	Rabbit
	LD50 (dermal)	> 15688 mg/kg bw		Rabbit
	NOAEL (fertility, oral)	900 mg/kg bw/d		Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 476	Mouse
	Genotoxicity - in vivo	Not genotoxic		Mouse
	LD50 (oral)	5800 mg/kg bw	-----	Rat
	NOEL (carcinogenicity, inh.)	Not carcinogenic		
	NOEL (carcinogenicity, oral)	Not carcinogenic		
	NOAEL (developmental toxicity, inh.)	5300 mg/m3	OECD 414	Rat
	NOEL (carcinogenicity, dermal)	Not carcinogenic	-----	Mouse
	LC50 (inhalation) - estimate	50100 mg/m3	-----	Rat

11.2. Information on other hazards

Endocrine disrupting properties : Not applicable.
Other information : Not applicable.

SECTION 12 ECOLOGICAL INFORMATION *

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Harmful to aquatic organisms. Calculated LC50 (fish): 6 mg/l. Calculated EC50 (waterflea): 2 mg/l. Contains 28 % of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Persistence – degradability : May cause long-term adverse effects in the aquatic environment.

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 assessment

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

12.6. Endocrine disrupting properties

Endocrine disrupting properties : Not applicable.

12.7. Other adverse effects

Other adverse effects : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
Xylene	EC50 (waterflea) - estimate	1 mg/l	Read across	
	Ultimate aerobic biodegradation (%)	> 60 %	Read across	
	LC50 (fish) - estimate	2,6 mg/l	Read across	Salmo gairdneri
	NOEC (fish) - estimate	1,3 mg/l.d	Read across	
	NOEC (daphnids) - estimate	0,96 mg/l.d	Read across	
	IC50 (algea) - estimate	1,3 mg/l	Read across	
	Log P(ow)	3,1		
	BCF	29		
Oxydipropyl dibenzoate	EC50 (waterflea)	19,3 mg/l	OECD 202	Daphnia magna
	IC50 (algea)	3,6 mg/l	OECD 201	Pseudokirchnerella subcapitata
	LC50 (fish)	3,7 mg/l	OECD 203	Pimephales promelas
	Ultimate aerobic biodegradation (%)	85 %	OECD 301 B	
	Log P(ow)	3,9		

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.

Waste water discharge : Do not dispose of into the environment, drains, sewers or water courses.

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 or ID number

UN nr. : UN 1993

14.2. UN proper shipping name

Transport name : FLAMMABLE LIQUID, N.O.S. (Butanone ; Acetone)
Transport name (IMDG, IATA) : FLAMMABLE LIQUID, N.O.S. (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 : D/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
- ERG code : 3H
- Packaging group : II

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. Maritime transport in bulk according to IMO instruments

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 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations. Directive 2008/98/EC (waste).
: 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 2020/878 dated 18 June 2020 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 used (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	:	The IMO International Code for construction and equipment of ships carrying dangerous chemicals in bulk.
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
UFI	:	Unique formula identifier
VOC	:	Volatile Organic Compounds
vPvB	:	Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

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

Flam. Liq. 2	:	On basis of test data.
Skin Irrit. 2	:	Calculation method.
Eye Irrit. 2	:	Calculation method.
STOT SE 3	:	Calculation method.
Aquatic Chronic 3	:	Calculation method.

Full text of hazard classes mentioned in section 3:

Flam. Liq. 2	:	Flammable liquid, category 2.
Flam. Liq. 3	:	Flammable liquid, 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.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
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.

Advice on any training appropriate for workers: none.

Number format : "," used as decimal separator.

End of safety data sheet.