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 : Professional use. For industrial or institutional use. Sealant.

1.3. Details of the supplier of the safety data sheet

Supplier : Star Brite
4041 SW 47th Avenue
33314 Fort Lauderdale, Florida, United States of America
Telephone : 001 800 3278583
Website : http://www.starbrite.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:
US - Telephone : 001 703 5273887 (During office hours only)

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):
CHEMTREC 001 703 5273887 (24/7)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

HPR classification : Flammable liquid, category 2. Skin irritation, category 2. Eye irritation, category 2. Specific target organ toxicity after single exposure, 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.

2.2. Label elements

Label elements (HPR)
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.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P370+P378	In case of fire: Use carbondioxide, foam, dry chemical, water fog to extinguish.
P261 vapour	Avoid breathing vapours.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

P337+P313	If eye irritation persists: Get medical advice/attention.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an official chemical waste depot.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P264	Wash hands thoroughly after handling.
P321	Specific treatment (see … on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Labelling of packagings where the contents do not exceed 100 ml:

Hazard pictograms :

Signal word : Danger

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w%)	CAS nr.	Additional CAS nr.	
Xylene (mixed isomers)	36 - 39	1330-20-7	-----	
2-Butanone	17 - 19	78-93-3	-----	
Oxydipropyl dibenzoate	6 - 7	27138-31-4	94-51-9	
Acetone	4 - 5	67-64-1	-----	
Talc	1 - 2	14807-96-6	-----	
Carbon Black	0,1 - 1	1333-86-4	-----	

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

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 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 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.

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.

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.

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.

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.

Workplace exposure limits (mg/m³):

Chemical name	Province	TWA 8 hour (mg/m3)	STEL 15 min (mg/m3)	Comments
Xylene (mixed isomers)	YT	435	650	-
Xylene (mixed isomers)	NB	435	655	-
Xylene (mixed isomers)	MB	435	655	-
Xylene (mixed isomers)	PE	435	655	-
Xylene (mixed isomers)	NT	435	655	-
Xylene (mixed isomers)	NU	435	655	-
Xylene (mixed isomers)	NS	435	655	-
Xylene (mixed isomers)	NL	435	655	-
Xylene (mixed isomers)	SK	434	650	-
Xylene (mixed isomers)	QC	434	651	-
Xylene (mixed isomers)	ON	434	650	-
Xylene (mixed isomers)	BC	434	650	-
Xylene (mixed isomers)	AB	434	651	-
Xylene (mixed isomers)	US	435	655	-
2-Butanone	YT	590	740	-
2-Butanone	PE	590	885	-
2-Butanone	NT	590	885	-
2-Butanone	NU	590	885	-
2-Butanone	NS	590	885	-
2-Butanone	NL	590	885	-
2-Butanone	NB	590	885	-
2-Butanone	MB	590	885	-
2-Butanone	SK	590	885	-
2-Butanone	QC	150	300	-
2-Butanone	ON	600	900	-
2-Butanone	BC	150	300	-
2-Butanone	AB	590	885	-
2-Butanone	US	590	885	-

Acetone	YT	2400	3000	-
Acetone	PE	594	1187	-
Acetone	NT	1187	1872	-
Acetone	NU	1187	1872	-
Acetone	NS	594	1187	-
Acetone	NL	594	1187	-
Acetone	NB	1188	1782	-
Acetone	MB	594	1187	-
Acetone	SK	1200	1800	-
Acetone	QC	1190	2380	-
Acetone	ON	1200	1800	-
Acetone	BC	600	1200	-
Acetone	AB	1500	1800	-
Acetone	US	594	1187	-
Talc	PE	2	-	Respirable fraction, containing no asbestos, < 1% crystalline silica
Talc	NT	2	-	Respirable fraction, containing no asbestos, < 1% crystalline silica
Talc	NU	2	-	Respirable fraction, containing no asbestos, < 1% crystalline silica
Talc	NS	2	-	Respirable fraction, containing no asbestos, < 1% crystalline silica
Talc	NL	2	-	Respirable fraction, containing no asbestos, < 1% crystalline silica
Talc	NB	2	-	Respirable fraction, containing no asbestos, < 1% crystalline silica
Talc	MB	2	-	Respirable fraction, containing no asbestos, < 1% crystalline silica
Talc	SK	2	-	Respirable fraction
Talc	QC	2	-	-
Talc	ON	2	-	Respirable aerosol, no asbestos and < 1 percent crystalline silica
Talc	BC	2	-	Containing no asbestos fibres, Respirable
Talc	AB	2	-	Respirable particulate
Talc	US	2	-	Respirable fraction, containing no asbestos, < 1% crystalline silica
Carbon Black	YT	3,5	7	-
Carbon Black	PE	3	-	Inhalable particulate matter
Carbon Black	NT	3,5	7	-
Carbon Black	NU	3,5	7	-
Carbon Black	NS	3	-	Inhalable particulate matter
Carbon Black	NL	3	-	Inhalable particulate matter
Carbon Black	NB	3,5	-	-
Carbon Black	MB	3	-	Inhalable particulate matter
Carbon Black	SK	3,5	7	-
Carbon Black	QC	3,5	-	-
Carbon Black	ON	3	-	Inhalable fraction
Carbon Black	BC	3	-	Inhalable
Carbon Black	AB	3,5	-	-
Carbon Black	US	3	-	Inhalable particulate matter

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	:	Wear appropriate protective clothing, overalls or suit, and similar boots. 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 CSA Z94.4.
Hand protection	:	Wear appropriate safety gloves. Suitable material: PVA. ± 0,5 mm. Indication of permeation breakthrough time: 1 hour.
Eye protection	:	Wear appropriate safety glasses 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 mm2/sec	(1 mm2/sec = 1cSt)
Viscosity (40°C)	:	> 20,5 mm2/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.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

- Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 33 %. ATE: > 5 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 headache, drowsiness, dizziness and a feeling of sickness. May cause irritation to respiratory airways and coughing.
- 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: > 2695 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 (mixed isomers)	LD50 (dermal) - estimate	1100 mg/kg bw		
	NOAEL (developmental toxicity, inh.)	2171 mg/m3	OECD 414	Rat
	NOAEL (fertility, inh.)	> 2171 mg/m3	-----	Rat
	NOEL (carcinogenicity, oral)	> 500 mg/kg bw/d	OECD 451	Rat
	Genotoxicity - in vivo	Not genotoxic		Rat
	Mutagenicity	Negative	OECD 471	
	Genotoxicity - in vitro	Not genotoxic	OECD 473	
	LD50 (oral)	4300 mg/kg bw	-----	Rat
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
	NOAEL (development, oral)	Not teratogenic		
	Eye irritation	Slightly irritant	OECD 405	Rabbit
	Skin irritation	Moderately irritant	OECD 404	Rabbit
	NOAEL (inhalation)	> 3515 mg/m3	-----	Rat
	NOAEL (oral)	150 mg/kg bw/d	OECD 408	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/m3	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. 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.

12.6. 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.

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

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

TDG (land)

- Class : 3
- Classification code : F1
- Packaging group : II
- Danger label : 3

:

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

Regulations : Hazardous Products Regulation 2015 and other regulations.

Substances listed on Canadian Domestic Substances List (DSL)
: Xylene (mixed isomers) ; 2-Butanone ; Oxydipropyl dibenzoate ; Acetone ; Talc ; Carbon Black .

SECTION 16 OTHER INFORMATION

16.1. Other information

The information in this safety data sheet is compiled in compliance with the Hazardous Products Regulation 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:
- ATE : Acute Toxicity Estimate
- CMR : Carcinogenic, Mutagenic or toxic for Reproduction
- DSL : Domestic Substances List
- GHS : Globally Harmonized System of Classification and Labelling of Chemicals
- HPA : Hazardous Products Act
- HPR : Hazardous Products Regulations
- 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
- 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
- OSHA : United States Occupational Safety and Health Administration
- PBT : Persistent, Bioaccumulative and Toxic
- REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID	:	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	:	Sewage Treatment Plant
TDG	:	Transportation of Dangerous Goods
TWA/STEL	:	Time-Weighted Average/Short Term Exposure Limit
UN	:	United Nations
VOC	:	Volatile Organic Compounds
vPvB	:	Very Persistent and Very Bioaccumulative
WHMIS	:	Workplace Hazardous Materials Information System
Number format	:	"," used as decimal separator.

End of safety data sheet.