

# Safety Data Sheet

according to WHS Regulations

Printing date 23.04.2021

Revision: 19.04.2021

## 1 Identification

**Product Name:** Liquid Electrical Tape - Black

**Details of Manufacturer or Importer:**

Electus Distribution  
320 Victoria Road  
Rydalmere, NSW, 2116

**Phone Number:** 02 8832 3200

**Emergency telephone number:** National Poison Information Centre: 13 11 26

**Email:** sales@electusdistribution.com.au

## 2 Hazard(s) Identification

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



Flame

Flammable Liquids 2

H225 Highly flammable liquid and vapour.



Health hazard

Aspiration Hazard 1

H304 May be fatal if swallowed and enters airways.



Skin Corrosion/Irritation 2

H315 Causes skin irritation.

Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

STOT SE 3

H335 May cause respiratory irritation.

**Signal Word** Danger

**Hazard Statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H304 May be fatal if swallowed and enters airways.

**Precautionary Statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.04.2021

Revision: 19.04.2021

**Product Name: Liquid Electrical Tape - Black**

(Contd. of page 1)

P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use to extinguish: CO <sub>2</sub> , powder or water spray.
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 in accordance with local/regional/national regulations.

### 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 1330-20-7	Xylene	36-39%
	⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; STOT SE 3, H335	
CAS: 78-93-3	Methyl ethyl ketone	17-19%
	⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H335-H336	
CAS: 27138-31-4	Propanol, oxybis-, dibenzoate	6-7%
CAS: 67-64-1	Acetone	4-5%
	⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H336	
CAS: 1333-86-4	Carbon black	0.1-1%
	⚠ STOT RE 2, H373	

**Additional information:**

Carbon black is bound in the matrix of the product and not available for inhalation exposure, the carcinogenicity does not apply to the product overall.

### 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.04.2021

Revision: 19.04.2021

**Product Name: Liquid Electrical Tape - Black**

(Contd. of page 2)

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: May cause respiratory irritation.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. Swallowing a large amount may cause CNS effects.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>). Do not use water.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include carbon oxides, hydrocarbons, nitrogen oxides, peroxides and metal oxides.

Product is highly flammable. Vapours may form flammable mixture with air. Vapours can travel long distances to an ignition source and flash back.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Minimise run-off from fire fighting entering drains or water courses.

HAZCHEM Code: •3YE

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.

Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

### 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Ground/bond containers. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Keep away from direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources. Keep away from strong acids, strong bases, strong oxidizers, alkalis, amines, aldehydes, ammonia, reducing agents, peroxides, chlorides, nitric acid, sulfuric acid, chloroform, perchlorates, bromoform.

(Contd. on page 4)

# Safety Data Sheet

according to WHS Regulations

Printing date 23.04.2021

Revision: 19.04.2021

**Product Name: Liquid Electrical Tape - Black**

(Contd. of page 3)

## 8 Exposure Controls and Personal Protection

<b>Exposure Standards:</b>	
<b>CAS: 1330-20-7 Xylene</b>	
WES	STEL: 655 mg/m <sup>3</sup> , 150 ppm TWA: 350 mg/m <sup>3</sup> , 80 ppm
<b>CAS: 78-93-3 Methyl ethyl ketone</b>	
WES	STEL: 890 mg/m <sup>3</sup> , 300 ppm TWA: 445 mg/m <sup>3</sup> , 150 ppm
<b>CAS: 67-64-1 Acetone</b>	
WES	STEL: 2375 mg/m <sup>3</sup> , 1000 ppm TWA: 1185 mg/m <sup>3</sup> , 500 ppm
<b>CAS: 1333-86-4 Carbon black</b>	
WES	TWA: 3 mg/m <sup>3</sup>

**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards. Use explosion-proof ventilating equipment.

**Respiratory Protection:**

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Chemically resistant gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered. Wear fire/flame resistant/retardant clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Black
<b>Odour:</b>	Characteristic
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	80 °C
<b>Initial Boiling Point/Boiling Range:</b>	82 °C
<b>Flash Point:</b>	7.2 °C
<b>Flammability:</b>	Highly flammable.
<b>Ignition Temperature</b>	No information available
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available

(Contd. on page 5)

# Safety Data Sheet

according to WHS Regulations

Printing date 23.04.2021

Revision: 19.04.2021

**Product Name: Liquid Electrical Tape - Black**

(Contd. of page 4)

<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	12.6 kPa
<b>Density:</b>	No information available
<b>Relative Density at 20 °C:</b>	0.96
<b>Vapour Density at 20 °C:</b>	2.4 (relative)
<b>Evaporation Rate:</b>	Slower than ether
<b>Solubility in Water:</b>	Not miscible in water.
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	2000 cP

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:**

Extremely flammable liquid. Vapours may form flammable mixture with air. Vapours can travel long distances to an ignition source and flash back.

**Conditions to Avoid:**

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

**Incompatible Materials:**

Strong acids, strong bases, strong oxidizers, alkalis, amines, aldehydes, ammonia, reducing agents, peroxides, chlorides, nitric acid, sulfuric acid, chloroform, perchlorates, bromoform.

**Hazardous Decomposition Products:**

Carbon oxides, hydrocarbons, nitrogen oxides, peroxides and metal oxides.

## 11 Toxicological Information

**Toxicity:**

**LD50/LC50 Values Relevant for Classification:**

**CAS: 1330-20-7 Xylene**

Oral	LD50	1,590 mg/kg (mouse) 4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalation	LC50/4 h	6,350 mg/l (rat)

**CAS: 78-93-3 Methyl ethyl ketone**

Oral	LD50	3,300 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rabbit)

**CAS: 27138-31-4 Propanol, oxybis-, dibenzoate**

Oral	LD50	3,914 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalation	LC50/4 h	>200 mg/l (rat)

**CAS: 67-64-1 Acetone**

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	>7,426 mg/kg (rabbit)
Inhalation	LC50/4 h	30,000 ppm (rat)

(Contd. on page 6)

# Safety Data Sheet

according to WHS Regulations

Printing date 23.04.2021

Revision: 19.04.2021

**Product Name: Liquid Electrical Tape - Black**

(Contd. of page 5)

<b>CAS: 1333-86-4 Carbon black</b>		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rabbit)

**Acute Health Effects****Inhalation:** May cause respiratory irritation.**Skin:** Causes skin irritation.**Eye:** Causes serious eye irritation.**Ingestion:**

May cause gastrointestinal irritation, nausea, diarrhoea and vomiting. Swallowing a large amount may cause CNS effects.

**Skin Corrosion / Irritation:** Causes skin irritation.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:**

May cause cancer.

Xylene is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Carbon black is classified by IARC as Group 2B - Possibly carcinogenic to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** May be fatal if swallowed and enters airways.**Chronic Health Effects:** No data associated with long term health effects.**Existing Conditions Aggravated by Exposure:** Repeated exposure may cause skin dryness and cracking

## 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:**

Toxic to aquatic life.

<b>CAS: 1330-20-7 Xylene</b>	
EC50	>1-10 mg/l (bacterial) >1-10 mg/l (scenedesmus subspicatus)
EC50/48 h	3.1 mg/l (daphnia)
LC50	86 mg/l (leuciscus idus)
<b>CAS: 78-93-3 Methyl ethyl ketone</b>	
EC50/48 h	308 mg/l (crustacea)
EC50/72 h	1,972 mg/l (algae)
LC50/96 h	2,993 mg/l (fish)
<b>CAS: 27138-31-4 Propanol, oxybis-, dibenzoate</b>	
EC50	>10 mg/l (pseudomonas putida)
EC50/48 h	19.3 mg/l (daphnia)

(Contd. on page 7)

# Safety Data Sheet

according to WHS Regulations

Printing date 23.04.2021

Revision: 19.04.2021

**Product Name: Liquid Electrical Tape - Black**

(Contd. of page 6)

EC50/72 h	15 mg/l (selenastrum capricornutum)
LC50/96 h	3.7 mg/l (fathead minnow)
<b>CAS: 67-64-1 Acetone</b>	
EC50/48 h	12,600 mg/l (daphnia)
LC50/96 h	4,740-6,330 mg/l (rainbow trout)
<b>CAS: 1333-86-4 Carbon black</b>	
LC50/96 h	>1,000 mg/l (brachydanio rerio)

**Persistence and Degradability:** No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

## 13 Disposal Considerations

**Disposal Methods and Containers:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 Transport Information

<b>UN Number</b>	
<b>ADG, IMDG, IATA</b>	UN1993
<b>Proper Shipping Name</b>	
<b>ADG, IMDG, IATA</b>	FLAMMABLE LIQUID, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), XYLENES)
<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	3 Flammable liquids.
<b>Subsidiary Risk:</b>	
<b>Packing Group:</b>	
<b>ADG, IMDG, IATA</b>	II
<b>Marine pollutant:</b>	
<b>EMS Number:</b>	F-E, <u>S-E</u>
<b>Hazchem Code:</b>	•3YE
<b>Special Provisions:</b>	
<b>Limited Quantities:</b>	1L
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P001, IBC02
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T7
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP1, TP8, TP28

(Contd. on page 8)

# Safety Data Sheet

## according to WHS Regulations

Printing date 23.04.2021

Revision: 19.04.2021

**Product Name: Liquid Electrical Tape - Black**

(Contd. of page 7)

### 15 Regulatory Information

**Australian Inventory of Industrial Chemicals:**

All ingredients are listed.

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:**

Poisons Schedule: 5

**Australia: Priority Existing Chemicals**

None of the ingredients is listed.

### 16 Other Information

**Date of Preparation or Last Revision:** 19.04.2021**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)
**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 2: Flammable liquids – Category 2

Flammable Liquids 3: Flammable liquids – Category 3

Acute Toxicity (Dermal) 4: Acute toxicity - dermal – Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aspiration Hazard 1: Aspiration hazard – Category 1

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020”

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