

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
UK REACH Regulations (SI 2019/758 as amended)

Revision date 11/06/2024

Revision Number 1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product Name Tru-Tension - Chain Cleaner Aerosols

Pure substance/mixture Mixture

Contains Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

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

Recommended use Cleaning agent

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Tru Tension Ltd  
Sugnal Business Centre  
Sugnal  
Stafford  
ST21 6NF  
tel: +44 (0) 1275 792114

For further information, please contact: \_\_\_\_\_

Emergency Telephone Tel: +44 (0) 1275 792114 (Hours 09:00 - 17:00 Mon to Fri)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Skin corrosion/irritation	Category 2 - (H315)
Specific target organ toxicity — single exposure	Category 3 - (H336)
Category 3 Narcotic effects	
Chronic aquatic toxicity	Category 2 - (H411)
Aerosols	Category 1 - (H222, H229)

### 2.2. Label elements

Contains Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics



**Signal word**

Danger

**Hazard statements**

H315 - Causes skin irritation

H336 - May cause drowsiness or dizziness

H411 - Toxic to aquatic life with long lasting effects

H222 - Extremely flammable aerosol

H229 - Pressurised container: May burst if heated

EUH208 Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts; Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction.

**Precautionary statements**

P102 - Keep out of reach of children

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

P211 - Do not spray on an open flame or other ignition source

P251 - Do not pierce or burn, even after use

P261 - Avoid breathing vapours/spray

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

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	30-60%	( ) 265-151-9	-	Flam. Liq. 2 (H225) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) STOT SE 3 (H336) Aquatic Chronic 2 (H411)	-	-	-
PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE 68476-85-7	10-30%	( ) 270-704-2	-	Flam. Gas 1 (H220) Press. Gas (H280)	-	-	-
Hydrocarbons,	10-30%	( )	-	Flam. Liq. 3 (H226)	-	-	-

C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9		919-857-5		Asp. Tox. 1 (H304) STOT SE 3 (H336)			
2-butoxyethanol 111-76-2	5-10%	(603-014-00-0) 203-905-0	-	Acute Tox. 4 (H302) Acute Tox. 3 (H331) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	-	-	-
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0	<1%	274-263-7	-	Skin Sens. 1B (H317)	-	-	-
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6	<1%	271-529-4	-	Skin Sens. 1B (H317)	-	-	-

**Full text of H- and EUH-phrases: see section 16**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (UK REACH Article 59)

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

- General advice** Show this safety data sheet to the doctor in attendance.
- Inhalation** Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.
- Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
- Skin contact** Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
- Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.
- Self-protection of the first aider** Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing.

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

- Symptoms** Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

- Note to doctors** Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO2). Water spray.  
**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.  
**Unsuitable extinguishing media** DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

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

**Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Containers may explode when heated.

**5.3. Advice for firefighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**SECTION 6: Accidental release measures**

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

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges. Avoid breathing dust/fume/gas/mist/vapours/spray.  
**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.  
**For emergency responders** Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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

**Methods for containment** Stop leak if you can do it without risk. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Flood with water to complete polymerization and scrape off floor.  
**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.  
**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use spark-proof tools and explosion-proof equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Keep in an area equipped with sprinklers. Do not puncture or incinerate cans. Contents under pressure. In case of rupture. Avoid breathing vapours or mists. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations**

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

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

**Storage Conditions**

Protect from sunlight. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals.

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

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure Limits**

Chemical name	United Kingdom
PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE 68476-85-7	TWA: 1000 ppm TWA: 1750 mg/m <sup>3</sup> STEL: 1250 ppm STEL: 2180 mg/m <sup>3</sup>
2-butoxyethanol 111-76-2	TWA: 25 ppm TWA: 123 mg/m <sup>3</sup> STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> Sk*

**Biological occupational exposure limits**

Chemical name	United Kingdom
2-butoxyethanol 111-76-2	240 mmol/mol creatinine - urine (Butoxyacetic acid) - post shift

**Derived No Effect Level (DNEL) - Workers** No information available

Chemical name	Oral	Dermal	Inhalation
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0			1286.4 mg/m <sup>3</sup> [4] [7] 837.5 mg/m <sup>3</sup> [5] [6] 1066.67 mg/m <sup>3</sup> [5] [7]
PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE 68476-85-7		23.4 mg/kg bw/day [4] [6]	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9			1286.4 mg/m <sup>3</sup> [4] [7] 837.5 mg/m <sup>3</sup> [5] [6] 1066.67 mg/m <sup>3</sup> [5] [7]
2-butoxyethanol 111-76-2		125 mg/kg bw/day [4] [6] 89 mg/kg bw/day [4] [7]	98 mg/m <sup>3</sup> [4] [6] 1091 mg/m <sup>3</sup> [4] [7] 246 mg/m <sup>3</sup> [5] [7]
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0		3.33 mg/kg bw/day [4] [6] 1.03 mg/cm <sup>2</sup> [5] [6]	11.75 mg/m <sup>3</sup> [4] [6]
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6		3.33 mg/kg bw/day [4] [6] 1.03 mg/cm <sup>2</sup> [5] [6]	11.75 mg/m <sup>3</sup> [4] [6]

**Derived No Effect Level (DNEL) - General Public** No information available.

Chemical name	Oral	Dermal	Inhalation
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0			1152 mg/m <sup>3</sup> [4] [7] 178.57 mg/m <sup>3</sup> [5] [6] 640 mg/m <sup>3</sup> [5] [7]
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9			1152 mg/m <sup>3</sup> [4] [7] 178.57 mg/m <sup>3</sup> [5] [6] 640 mg/m <sup>3</sup> [5] [7]
2-butoxyethanol 111-76-2	6.3 mg/kg bw/day [4] [6] 26.7 mg/kg bw/day [4] [7]	89 mg/kg bw/day [4] [6] 89 mg/kg bw/day [4] [7]	59 mg/m <sup>3</sup> [4] [6] 426 mg/m <sup>3</sup> [4] [7] 147 mg/m <sup>3</sup> [5] [7]
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0	0.8333 mg/kg bw/day [4] [6]	0.513 mg/cm <sup>2</sup> [5] [6]	2.9 mg/m <sup>3</sup> [4] [6]
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6	0.8333 mg/kg bw/day [4] [6]	0.513 mg/cm <sup>2</sup> [5] [6]	2.9 mg/m <sup>3</sup> [4] [6]

**Predicted No Effect Concentration (PNEC)** No information available.

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
2-butoxyethanol 111-76-2	8.8 mg/L	26.4 mg/L	0.88 mg/L		
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0	1 mg/L	10 mg/L	1 mg/L		
Benzenesulfonic acid,	1 mg/L	10 mg/L	1 mg/L		

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
C10-16-alkyl derivs., calcium salts 68584-23-6					

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
2-butoxyethanol 111-76-2	34.6 mg/kg sediment dw	3.46 mg/kg sediment dw	463 mg/L	2.33 mg/kg soil dw	0.02 g/kg food
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0			1000 mg/L		16.667 mg/kg food
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6			1000 mg/L		16.667 mg/kg food

**8.2. Exposure controls**

**Engineering controls** No information available.

**Personal protective equipment**

**Eye/face protection** Tight sealing safety goggles. Safety glasses with side shields are recommended for medical or industrial exposures.

**Hand protection** Impervious gloves. Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

**SECTION 9: Physical and chemical properties**

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

**Physical state** Aerosol  
**Colour** brown  
**Odour** Solvent.

Property	Values	Remarks • Method
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	-41 - 215	None known

Flammability	No data available		None known
Flammability Limit in Air			None known
Upper flammability or explosive limits	10.6		
Lower flammability or explosive limits	0.6		
Flash point	-40		None known
Autoignition temperature	230		None known
Decomposition temperature			None known
pH	No data available		None known
pH (as aqueous solution)	No data available		None known
Kinematic viscosity	No data available		None known
Dynamic viscosity	No data available		None known
Water solubility	No data available	Insoluble in water	None known
Solubility(ies)	No data available		None known
Partition coefficient	No data available		None known
Vapour pressure	No data available		None known
Relative density	0.684		None known
Bulk density	No data available		
Liquid Density	No data available		
Relative vapour density	No data available		None known
Particle characteristics			
Particle Size			
Particle Size Distribution			
Explosive properties	No information available		
Oxidising properties	No information available		

**9.2. Other information**

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Reactivity No information available.

**10.2. Chemical stability**

Stability Stable under normal conditions.

**Explosion data**

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions None under normal processing.

**10.4. Conditions to avoid**

Conditions to avoid Heat, flames and sparks.

**10.5. Incompatible materials**

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

**10.6. Hazardous decomposition products**

Hazardous decomposition products None known based on information supplied.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Information on likely routes of exposure**

**Product Information**

- Inhalation** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.
- Eye contact** Specific test data for the substance or mixture is not available.
- Skin contact** Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
- Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

**Symptoms related to the physical, chemical and toxicological characteristics**

- Symptoms** Redness. May cause redness and tearing of the eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**Acute toxicity**

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

- ATEmix (oral)** 5,954.10 mg/kg
- ATEmix (dermal)** 3,789.80 mg/kg
- ATEmix (inhalation-gas)** 99,999.00 ppm
- ATEmix (inhalation-dust/mist)** 99,999.00 mg/l
- ATEmix (inhalation-vapour)** 58.70 mg/l

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	> 5000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 73680 ppm ( Rat ) 4 h
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	> 6000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 8500 mg/m <sup>3</sup> ( Rat ) 4 h
2-butoxyethanol	= 470 mg/kg ( Rat )	= 435 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h = 486 ppm ( Rat ) 4 h
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	> 2000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 1.9 mg/L ( Rat ) 4 h
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	-	> 4000 mg/kg ( Rabbit )	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.
- Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitisation** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** May cause drowsiness or dizziness.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	LC50: =8.41mg/L (96h, Oncorhynchus mykiss)	-	EC50: <0.26mg/L (48h, Daphnia magna)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	LC50: =2200mg/L (96h, Pimephales promelas)	-	-
2-butoxyethanol	-	LC50: =1490mg/L (96h, Lepomis macrochirus) LC50: =2950mg/L (96h, Lepomis macrochirus)	-	EC50: >1000mg/L (48h, Daphnia magna)

**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

**12.3. Bioaccumulative potential**

**Bioaccumulation**

**Component Information**

Chemical name	Partition coefficient
PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE	<=2.8
2-butoxyethanol	0.81

**12.4. Mobility in soil**

Mobility in soil No information available.

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

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	The substance is not PBT / vPvB
PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE	The substance is not PBT / vPvB
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	The substance is not PBT / vPvB
2-butoxyethanol	The substance is not PBT / vPvB
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	The substance is not PBT / vPvB
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	The substance is not PBT / vPvB

**12.6. Endocrine disrupting properties**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**SECTION 14: Transport information**

**IATA**

- 14.1 UN number or ID number UN1950
- 14.2 UN proper shipping name Aerosols, flammable
- 14.3 Transport hazard class(es) 2.1
- 14.4 Packing group Not regulated
- Description UN1950, Aerosols, flammable, 2.1
- 14.5 Environmental hazards Yes
- 14.6 Special precautions for user
- Special Provisions A145, A167, A802
- ERG Code 10L

**IMDG**

- 14.1 UN number or ID number UN1950
- 14.2 UN proper shipping name Aerosols
- 14.3 Transport hazard class(es) 2.1
- 14.4 Packing group Not regulated
- Description UN1950, Aerosols, 2.1, Marine pollutant
- 14.5 Environmental hazards Yes
- 14.6 Special precautions for user
- Special Provisions 63,190, 277, 327, 344, 381, 959
- EmS-No. F-D, S-U
- 14.7 Maritime transport in bulk according to IMO instruments

**RID**

<b>14.1 UN number or ID number</b>	UN1950
<b>14.2 UN proper shipping name</b>	Aerosols
<b>14.3 Transport hazard class(es)</b>	2.1
<b>14.4 Packing group</b>	Not regulated
<b>Description</b>	UN1950, Aerosols, 2.1
<b>14.5 Environmental hazards</b>	Yes
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	190, 327, 344, 625
<b>Classification code</b>	5F

**ADR**

<b>14.1 UN number or ID number</b>	UN1950
<b>14.2 UN proper shipping name</b>	Aerosols, flammable
<b>14.3 Transport hazard class(es)</b>	2.1
<b>14.4 Packing group</b>	Not regulated
<b>Description</b>	UN1950, Aerosols, 2.1
<b>14.5 Environmental hazards</b>	Yes
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	327, 625, 344, 190
<b>Classification code</b>	5F
<b>Tunnel restriction code</b>	(E)

**SECTION 15: Regulatory information**

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

**Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (UK REACH - Annex XIV). This product does not contain substances subject to restriction (UK REACH - Annex XVII).

**Persistent Organic Pollutants**

Not applicable

**Export Notification requirements**

Not applicable

**Dangerous substance category per COMAH (SI 2015/483 as amended)**

P3a - FLAMMABLE AEROSOLS  
 E2 - Hazardous to the Aquatic Environment in Category Chronic 2  
 P3b - FLAMMABLE AEROSOLS

**Named dangerous substances per COMAH (SI 2015/483 as amended)**

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - 64742-49-0	-	25000
PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE - 68476-85-7	50	200
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - 64742-48-9	-	25000

**The Ozone-Depleting Substances Regulations 2015**

Not applicable

**The Biocidal Products Regulations 2001 (as amended)**

Not applicable

**The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)**

Not applicable

**Poisons and Explosive Precursors**

Not applicable

**International Inventories**

<b>TSCA</b>	See inventories below
<b>DSL/NDSL</b>	See inventories below
<b>EINECS/ELINCS</b>	See inventories below
<b>ENCS</b>	See inventories below
<b>IECSC</b>	See inventories below
<b>KECI</b>	See inventories below
<b>PICCS</b>	See inventories below
<b>AIIC</b>	See inventories below
<b>NZIoC</b>	See inventories below

**Legend:**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECI** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AIIC** - Australian Inventory of Industrial Chemicals
- NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment**

**Chemical Safety Report**                      No information available

**SECTION 16: Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

- H226 - Flammable liquid and vapour
- H302 - Harmful if swallowed
- H304 - May be fatal if swallowed and enters airways
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H331 - Toxic if inhaled
- H336 - May cause drowsiness or dizziness

**Legend**

SVHC: Substances of Very High Concern for Authorisation:

**Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
+	Sensitisers		

**Classification procedure**

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method

Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method
Flammable aerosol	On basis of test data

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
European Chemicals Agency (ECHA) (ECHA\_API)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date** 11/06/2024

**This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)**

**Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

**UK SDS version information - XGHS**

UL release:  
GHS Revision 7  
2022 Q1

United Kingdom

Full process, including GHS and Transportation Wizards

Specific target organ toxicity — single exposure	Category 3
--	------------

Category 3 Target organ effects: Narcotic effects.

Full text of H-Statements referred to under section 3 H226 - Flammable liquid and vapour H302 - Harmful if swallowed H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H331 - Toxic if inhaled H336 - May cause drowsiness or dizziness

Chemical name	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	Flam. Liq. 2 (H225) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) STOT SE 3 (H336) Aquatic Chronic 2 (H411)	
PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE	Flam. Gas 1 (H220) Press. Gas (H280)	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H336)	
2-butoxyethanol	Acute Tox. 4 (H302) Acute Tox. 3 (H331) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	Skin Sens. 1B (H317)	
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Skin Sens. 1B (H317)	