

SAFETY DATA SHEET

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

Revision date 12/06/2024

Revision Number 1

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

1.1. Product identifier

Product Code(s) 2860,3010,3073,3566,3583,3600,3627

Product Name Tru-Tension - Chain Wax Aerosols

Pure substance/mixture Mixture

Contains Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics; Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts; Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts

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

Recommended use Lubricant

1.3. Details of the supplier of the safety data sheet

Manufacturer

Tru Tension Ltd
Sugnell Business Centre
Sugnell
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) |
| Skin sensitisation | Category 1 - (H317) |
| 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; Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts; Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts

**Signal word**

Danger

Hazard statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

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

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

Harmful to aquatic life.

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) | - | - | - |
| Distillates (petroleum), | 10-30% | (649-465-00-7) | - | - | - | - | - |

| | | | | | | | |
|--|-------|---------------------------------|---|---|---|---|---|
| hydrotreated heavy naphthenic 64742-52-5 | | 265-155-0 | | | | | |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9 | 5-10% | () 919-857-5 | - | Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H336) | - | - | - |
| Zinc oxide 1314-13-2 | 1-5% | (030-013-00 -7) 215-222-5 | - | Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | - | - | - |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0 | 1-5% | 274-263-7 | - | Skin Sens. 1B (H317) | - | - | - |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6 | 1-5% | 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 | May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Wash off immediately with soap and plenty of water for at least 15 minutes. |
| 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 | Itching. Rashes. Hives. 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 | May cause sensitisation in susceptible persons. Treat symptomatically. |
|------------------------|--|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|--|
| Suitable Extinguishing Media | Dry chemical. Carbon dioxide (CO ₂). 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. Product is or contains a sensitiser. May cause sensitisation by skin contact. |
|---|--|

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. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

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 ³ STEL: 1250 ppm STEL: 2180 mg/m ³ |

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

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 ³ [4] [7] 837.5 mg/m ³ [5] [6] 1066.67 mg/m ³ [5] [7] |
| PETROLEUM GASES, LIQUEFIED | | 23.4 mg/kg bw/day [4] [6] | |

| Chemical name | Oral | Dermal | Inhalation |
|--|------|--|--|
| <0.1% 1,3-BUTADIENE 68476-85-7 | | | |
| Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5 | | 0.97 mg/kg bw/day [4] [6] | 2.73 mg/m ³ [4] [6] 5.58 mg/m ³ [5] [6] |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9 | | | 1286.4 mg/m ³ [4] [7] 837.5 mg/m ³ [5] [6] 1066.67 mg/m ³ [5] [7] |
| Zinc oxide 1314-13-2 | | 83 mg/kg bw/day [4] [6] | 5 mg/m ³ [4] [6] 0.5 mg/m ³ [5] [6] |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0 | | 3.33 mg/kg bw/day [4] [6] 1.03 mg/cm ² [5] [6] | 11.75 mg/m ³ [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 ² [5] [6] | 11.75 mg/m ³ [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 ³ [4] [7] 178.57 mg/m ³ [5] [6] 640 mg/m ³ [5] [7] |
| Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5 | 0.74 mg/kg bw/day [4] [6] | | 1.19 mg/m ³ [5] [6] |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9 | | | 1152 mg/m ³ [4] [7] 178.57 mg/m ³ [5] [6] 640 mg/m ³ [5] [7] |
| Zinc oxide 1314-13-2 | 0.83 mg/kg bw/day [4] [6] | | 2.5 mg/m ³ [4] [6] |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0 | 0.8333 mg/kg bw/day [4] [6] | 0.513 mg/cm ² [5] [6] | 2.9 mg/m ³ [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 ² [5] [6] | 2.9 mg/m ³ [4] [6] |

Predicted No Effect Concentration (PNEC) No information available.

| Chemical name | Freshwater | Freshwater (intermittent release) | Marine water | Marine water (intermittent release) | Air |
|--|------------|--------------------------------------|--------------|--|-----|
| Zinc oxide 1314-13-2 | 20.6 µg/L | | 6.1 µg/L | | |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts 70024-69-0 | 1 mg/L | 10 mg/L | 1 mg/L | | |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts | 1 mg/L | 10 mg/L | 1 mg/L | | |

| Chemical name | Freshwater | Freshwater (intermittent release) | Marine water | Marine water (intermittent release) | Air |
|---------------|------------|--------------------------------------|--------------|--|-----|
| 68584-23-6 | | | | | |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|--|----------------------------|---------------------------|------------------|--------------------|-------------------|
| Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5 | | | | | 9.33 mg/kg food |
| Zinc oxide 1314-13-2 | 117.8 mg/kg sediment dw | 56.5 mg/kg sediment dw | 100 µg/L | 35.6 mg/kg soil dw | |
| 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 | Sweet. |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|--------------------------|-------------------------|
| Melting point / freezing point | No data available | None known |
| Initial boiling point and boiling range | -41 - 100 | None known |
| Flammability | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability or explosive limits | 9.5 | |
| Lower flammability or explosive limits | 1.0 | |
| Flash point | -40 | None known |
| Autoignition temperature | 246 | 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 | 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 | 0.714 | 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 | May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation. |
| 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 | Itching. Rashes. Hives. 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) | 8,814.60 mg/kg |
| ATEmix (dermal) | 4,855.40 mg/kg |
| ATEmix (inhalation-gas) | 99,999.00 ppm |
| ATEmix (inhalation-dust/mist) | 242.20 mg/l |
| ATEmix (inhalation-vapour) | 99,999.00 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 |
| Distillates (petroleum), hydrotreated heavy naphthenic | > 5000 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | - |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | > 6000 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | > 8500 mg/m ³ (Rat) 4 h |
| Zinc oxide | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rat) | > 5700 mg/m ³ (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 | May cause an allergic skin reaction. |
| 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. Harmful to aquatic life. |
| 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) |
| Distillates (petroleum), hydrotreated heavy naphthenic | - | LC50: >5000mg/L (96h, Oncorhynchus mykiss) | - | EC50: >1000mg/L (48h, Daphnia magna) |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | - | LC50: =2200mg/L (96h, Pimephales promelas) | - | - |
| Zinc oxide | - | LC50: =1.55mg/L (96h, Danio rerio) | - | - |

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 |

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 |
| Distillates (petroleum), hydrotreated heavy naphthenic | The substance is not PBT / vPvB |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | The substance is not PBT / vPvB |
| Zinc oxide | 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

| | |
|-----------------------------------|-----------------------|
| 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 |
| 14.5 Environmental hazards | Yes |
| 14.6 Special precautions for user | |
| Special Provisions | 190, 327, 344, 625 |
| Classification code | 5F |

ADR

| | |
|-----------------------------------|-----------------------|
| 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 |
| 14.5 Environmental hazards | Yes |
| 14.6 Special precautions for user | |
| Special Provisions | 327, 625, 344, 190 |
| Classification code | 5F |
| Tunnel restriction code | (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 |
| Distillates (petroleum), hydrotreated heavy naphthenic - 64742-52-5 | - | 25000 |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, | - | 25000 |

| | | |
|-------------------------------------|--|--|
| cyclics, <2% aromatics - 64742-48-9 | | |
|-------------------------------------|--|--|

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

| | |
|----------------------|-----------------------|
| TSCA | See inventories below |
| DSL/NDSL | See inventories below |
| EINECS/ELINCS | See inventories below |
| ENCS | See inventories below |
| IECSC | See inventories below |
| KECI | See inventories below |
| PICCS | See inventories below |
| AIIC | See inventories below |
| NZIoC | 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 |
| KECL | - 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
H304 - May be fatal if swallowed and enters airways
H317 - May cause an allergic skin reaction
H336 - May cause drowsiness or dizziness
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

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

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 12/06/2024

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 H304 - May be fatal if swallowed and enters airways H317 - May cause an allergic skin reaction H336 - May cause drowsiness or dizziness H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects

| 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) | |
| Zinc oxide | Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | |
| 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) | |