

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

Revision date 30/01/2025

Revision Number 7

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

### 1.1. Product identifier

**Product Code(s)** HREP0050A, HREP0029A, HREP0063A

**Product Name** Holts Headlight Sealer

**Pure substance/mixture** Mixture

Contains Naphtha (petroleum), hydrotreated light

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

**Recommended use** Car Maintenance Product

**Uses advised against** No information available

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

| <b>Manufacturer</b>       | <b>Supplier</b>           |
|---------------------------|---------------------------|
| Holts Auto                | Holts Auto                |
| Unit 100 Barton Dock Road | Unit 100 Barton Dock Road |
| Manchester                | Manchester                |
| United Kingdom            | United Kingdom            |
| M32 0YQ                   | M32 0YQ                   |

For further information, please contact

**Contact Point** www.holtsauto.com

**E-mail address** info@holtsauto.com

### 1.4. Emergency telephone number

**Emergency Telephone** Holt Lloyd International: UK - 00 44 (0) 161 866 4800 Office Hours - Mon - Thurs: 8am - 5pm. Fri - 8am - 1pm.  
00 44 (0) 161 886 4806 (24 Hour Voicemail).

|                       |                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>United Kingdom</b> | Holt Lloyd International: UK - 00 44 (0) 161 866 4800 Office Hours - Mon - Thurs: 8am - 5pm. Fri - 8am - 1pm.<br>00 44 (0) 161 886 4806 (24 Hour Voicemail). |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

|                                                  |                           |
|--------------------------------------------------|---------------------------|
| Aerosols                                         | Category 1 - (H222, H229) |
| Skin corrosion/irritation                        | Category 2 - (H315)       |
| Germ cell mutagenicity                           | Category 1B - (H340)      |
| Carcinogenicity                                  | Category 1B - (H350)      |
| Specific target organ toxicity — single exposure | Category 3 - (H336)       |
| Category 3 Narcotic effects                      |                           |
| Aspiration hazard                                | Category 1 - (H304)       |
| Chronic aquatic toxicity                         | Category 3 - (H412)       |

## 2.2. Label elements

Contains Naphtha (petroleum), hydrotreated light



**Signal word**  
Danger

### Hazard statements

H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H336 - May cause drowsiness or dizziness  
H340 - May cause genetic defects  
H350 - May cause cancer  
H412 - Harmful to aquatic life with long lasting effects

### Precautionary statements

P201 - Obtain special instructions before use  
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  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor  
P331 - Do NOT induce vomiting  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Unknown aquatic toxicity** Contains 0.06243 % of components with unknown hazards to the aquatic environment.

### Additional information

This product is exempt from the requirement for a child resistant fastening and tactile warning of danger, as it is an aspiration hazard, placed on the market in the form of an aerosol or in a container with a sealed spray attachment.

## 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) |
|-------------------------------------------------------------|--------------|-----------------------------|------------------------------|--------------------------------------------------------------|------------------------------------|----------|----------------------|
| n-Butane<br>106-97-8                                        | 25 -<br><50% | 203-448-7<br>(601-004-00-0) | -                            | Flam. Gas 1 (H220)<br>Press. Gas ()                          | -                                  | -        | -                    |
| Naphtha<br>(petroleum),<br>hydrotreated light<br>64742-49-0 | 10 -<br><25% | 265-151-9<br>(649-328-00-1) | -                            | Muta. 1B (H340)<br>Carc. 1B (H350)<br>Asp. Tox. 1 (H304)     | -                                  | -        | -                    |
| Propane<br>74-98-6                                          | 10 -<br><25% | 200-827-9<br>(601-003-00-5) | -                            | Flam. Gas 1 (H220)                                           | -                                  | -        | -                    |
| Isobutane<br>75-28-5                                        | 10 -<br><25% | 200-857-2<br>(601-004-00-0) | -                            | Flam. Gas 1 (H220)<br>Press. Gas                             | -                                  | -        | -                    |

### 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

|                                           |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required.                                                                                                                                                                                                                                      |
| <b>Inhalation</b>                         | Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur. |
| <b>Eye contact</b>                        | 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.                                                                                                           |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.                                                                                                                                                                                                                                                        |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.                                                                                                                 |
| <b>Self-protection of the first aider</b> | 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. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use                                                                                                                        |

personal protective equipment as required. Avoid contact with skin, eyes or clothing.

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

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**Effects of Exposure** No information available.

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

**Note to doctors** Because of the danger of aspiration, emesis or gastric lavage should not be used unless the risk is justified by the presence of additional toxic substances.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). 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**

|                                        |                                                                                                                                                                                                                                                                          |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods for containment</b>         | Keep out of drains, sewers, ditches and waterways. 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. Flood with water to complete polymerization and scrape off floor. |
| <b>Methods for cleaning up</b>         | Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.                                                                                                              |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations.                                                                                                                                                                                     |

### **6.4. Reference to other sections**

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| <b>Reference to other sections</b> | See section 8 for more information. See section 13 for more information. |
|------------------------------------|--------------------------------------------------------------------------|

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Advice on safe handling</b>        | 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. Remove contaminated clothing and shoes. Take off contaminated clothing and wash it before reuse. In case of insufficient ventilation, wear suitable respiratory equipment. |
| <b>General hygiene considerations</b> | 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**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Conditions</b> | 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. Store locked up. Keep out of the reach of children. Store away from other materials. |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|                                      |                                                                  |
|--------------------------------------|------------------------------------------------------------------|
| <b>Risk Management Methods (RMM)</b> | The information required is contained in this Safety Data Sheet. |
|--------------------------------------|------------------------------------------------------------------|

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

### **8.1. Control parameters**

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| <b>Exposure Limits</b> | This product, as supplied, does not contain any hazardous materials with occupational |
|------------------------|---------------------------------------------------------------------------------------|

exposure limits established by the region specific regulatory bodies.

| Chemical name        | United Kingdom                                                                               |
|----------------------|----------------------------------------------------------------------------------------------|
| n-Butane<br>106-97-8 | TWA: 600 ppm<br>TWA: 1450 mg/m <sup>3</sup><br>STEL: 750 ppm<br>STEL: 1810 mg/m <sup>3</sup> |

**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

| Chemical name                                              | Oral | Dermal                                                                                                             | Inhalation                                                                                               |
|------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Naphtha (petroleum), hydrotreated light<br>64742-49-0      |      |                                                                                                                    | 1286.4 mg/m <sup>3</sup> [4] [7]<br>837.5 mg/m <sup>3</sup> [5] [6]<br>1066.67 mg/m <sup>3</sup> [5] [7] |
| Citral<br>5392-40-5                                        |      | 1.7 mg/kg bw/day [4] [6]<br>140 µg/cm <sup>2</sup> [5] [6]                                                         | 9 mg/m <sup>3</sup> [4] [6]                                                                              |
| Geraniol<br>106-24-1                                       |      | 12.5 mg/kg bw/day [4] [6]<br>11800 µg/cm <sup>2</sup> [5] [6]                                                      | 161.6 mg/m <sup>3</sup> [4] [6]                                                                          |
| Eugenol<br>97-53-0                                         |      | 6 mg/kg bw/day [4] [6]                                                                                             | 21.2 mg/m <sup>3</sup> [4] [6]                                                                           |
| Linalool<br>78-70-6                                        |      | 2.5 mg/kg bw/day [4] [6]<br>5 mg/kg bw/day [4] [7]<br>3 mg/cm <sup>2</sup> [5] [6]<br>3 mg/cm <sup>2</sup> [5] [7] | 2.8 mg/m <sup>3</sup> [4] [6]<br>16.5 mg/m <sup>3</sup> [4] [7]                                          |
| Citronellol<br>106-22-9                                    |      | 327.4 mg/kg bw/day [4] [6]<br>2950 µg/cm <sup>2</sup> [5] [7]                                                      | 161.6 mg/m <sup>3</sup> [4] [6]<br>10 mg/m <sup>3</sup> [5] [6]<br>10 mg/m <sup>3</sup> [5] [7]          |
| 2,6,10-Dodecatrien-1-ol,<br>3,7,11-trimethyl-<br>4602-84-0 |      | 1.32 mg/kg bw/day [4] [6]                                                                                          | 1.85 mg/m <sup>3</sup> [4] [6]                                                                           |

#### Notes

- [4] Systemic health effects.  
[5] Local health effects.  
[6] Long term.  
[7] Short term.

#### Derived No Effect Level (DNEL) - General Public

| Chemical name                                         | Oral                                                 | Dermal                                                                                                                   | Inhalation                                                                                          |
|-------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Naphtha (petroleum), hydrotreated light<br>64742-49-0 |                                                      |                                                                                                                          | 1152 mg/m <sup>3</sup> [4] [7]<br>178.57 mg/m <sup>3</sup> [5] [6]<br>640 mg/m <sup>3</sup> [5] [7] |
| Citral<br>5392-40-5                                   | 0.6 mg/kg bw/day [4] [6]                             | 140 µg/cm <sup>2</sup> [5] [6]                                                                                           | 2.7 mg/m <sup>3</sup> [4] [6]                                                                       |
| Geraniol<br>106-24-1                                  | 13.75 mg/kg bw/day [4] [6]                           | 11800 µg/cm <sup>2</sup> [5] [6]                                                                                         | 47.8 mg/m <sup>3</sup> [4] [6]                                                                      |
| Eugenol<br>97-53-0                                    | 3 mg/kg bw/day [4] [6]                               |                                                                                                                          | 5.22 mg/m <sup>3</sup> [4] [6]                                                                      |
| Linalool<br>78-70-6                                   | 0.2 mg/kg bw/day [4] [6]<br>1.2 mg/kg bw/day [4] [7] | 2.5 mg/kg bw/day [4] [6]<br>2.5 mg/kg bw/day [4] [7]<br>1.5 mg/cm <sup>2</sup> [5] [6]<br>1.5 mg/cm <sup>2</sup> [5] [7] | 0.7 mg/m <sup>3</sup> [4] [6]<br>4.1 mg/m <sup>3</sup> [4] [7]                                      |

| Chemical name                                              | Oral                       | Dermal                          | Inhalation                                                                                     |
|------------------------------------------------------------|----------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| Citronellol<br>106-22-9                                    | 13.8 mg/kg bw/day [4] [6]  | 2950 µg/cm <sup>2</sup> [5] [7] | 47.8 mg/m <sup>3</sup> [4] [6]<br>10 mg/m <sup>3</sup> [5] [6]<br>10 mg/m <sup>3</sup> [5] [7] |
| 2,6,10-Dodecatrien-1-ol,<br>3,7,11-trimethyl-<br>4602-84-0 | 0.263 mg/kg bw/day [4] [6] |                                 | 0.457 mg/m <sup>3</sup> [4] [6]                                                                |

#### Notes

|     |                          |
|-----|--------------------------|
| [4] | Systemic health effects. |
| [5] | Local health effects.    |
| [6] | Long term.               |
| [7] | Short term.              |

#### Predicted No Effect Concentration (PNEC)

| Chemical name                                              | Freshwater   | Freshwater<br>(intermittent release) | Marine water  | Marine water<br>(intermittent release) | Air |
|------------------------------------------------------------|--------------|--------------------------------------|---------------|----------------------------------------|-----|
| Citral<br>5392-40-5                                        | 0.00678 mg/L | 0.0678 mg/L                          | 0.000678 mg/L |                                        |     |
| Geraniol<br>106-24-1                                       | 0.0108 mg/L  | 0.108 mg/L                           | 0.00108 mg/L  |                                        |     |
| Eugenol<br>97-53-0                                         | 1.13 µg/L    | 11.3 µg/L                            | 0.113 µg/L    |                                        |     |
| Linalool<br>78-70-6                                        | 0.2 mg/L     | 2 mg/L                               | 0.02 mg/L     |                                        |     |
| Citronellol<br>106-22-9                                    | 0.0024 mg/L  | 0.024 mg/L                           | 0.00024 mg/L  |                                        |     |
| 2,6,10-Dodecatrien-1-ol,<br>3,7,11-trimethyl-<br>4602-84-0 | 0.568 µg/L   | 5.68 µg/L                            | 0.0568 µg/L   | 0.568 µg/L                             |     |

| Chemical name                                              | Freshwater<br>sediment      | Marine sediment              | Sewage treatment | Soil                     | Food chain     |
|------------------------------------------------------------|-----------------------------|------------------------------|------------------|--------------------------|----------------|
| Citral<br>5392-40-5                                        | 0.125 mg/kg<br>sediment dw  | 0.0125 mg/kg<br>sediment dw  | 1.6 mg/L         | 0.0209 mg/kg soil<br>dw  |                |
| Geraniol<br>106-24-1                                       | 0.115 mg/kg<br>sediment dw  | 0.0115 mg/kg<br>sediment dw  | 0.7 mg/L         | 0.0167 mg/kg soil<br>dw  |                |
| Eugenol<br>97-53-0                                         | 0.081 mg/kg<br>sediment dw  | 0.0081 mg/kg<br>sediment dw  |                  | 0.0155 mg/kg soil<br>dw  |                |
| Linalool<br>78-70-6                                        | 2.22 mg/kg<br>sediment dw   | 0.222 mg/kg<br>sediment dw   | 10 mg/L          | 0.327 mg/kg soil dw      | 7.8 mg/kg food |
| Citronellol<br>106-22-9                                    | 0.0256 mg/kg<br>sediment dw | 0.00256 mg/kg<br>sediment dw | 580 mg/L         | 0.00371 mg/kg soil<br>dw |                |
| 2,6,10-Dodecatrien-1-ol,<br>3,7,11-trimethyl-<br>4602-84-0 | 87.19 µg/kg<br>sediment dw  | 8.72 µg/kg sediment<br>dw    | 10 mg/L          | 17.07 µg/kg soil dw      |                |

## 8.2. Exposure controls

**Engineering controls** No information available.

### Personal protective equipment

|                                       |                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection</b>            | Tight sealing safety goggles. Safety glasses with side shields are recommended for medical or industrial exposures.                                                                                                                                                                                                 |
| <b>Hand protection</b>                | Impervious gloves. Wear suitable gloves.                                                                                                                                                                                                                                                                            |
| <b>Skin and body protection</b>       | Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.                                                                                                                                                                                                               |
| <b>Respiratory protection</b>         | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.                                                                                                                                            |
| <b>General hygiene considerations</b> | 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

|                        |                          |
|------------------------|--------------------------|
| <b>Physical state</b>  | Aerosol                  |
| <b>Appearance</b>      | Aerosol Clear liquid     |
| <b>Colour</b>          | Colourless               |
| <b>Odour</b>           | Lemon.                   |
| <b>Odour threshold</b> | No information available |

| <u>Property</u>                                | <u>Values</u>                           | <u>Remarks • Method</u> |
|------------------------------------------------|-----------------------------------------|-------------------------|
| <b>Melting point / freezing point</b>          | No data available                       | None known              |
| <b>Initial boiling point and boiling range</b> | No data available                       | None known              |
| <b>Flammability</b>                            | No data available                       | None known              |
| <b>Flammability Limit in Air</b>               |                                         | None known              |
| <b>Upper flammability or explosive limits</b>  | No data available                       |                         |
| <b>Lower flammability or explosive limits</b>  | No data available                       |                         |
| <b>Flash point</b>                             | < 0 °C                                  | None known              |
| <b>Autoignition temperature</b>                | No data available                       | None known              |
| <b>Decomposition temperature</b>               |                                         | None known              |
| <b>pH</b>                                      | No data available                       | None known              |
| <b>pH (as aqueous solution)</b>                | No data available                       | None known              |
| <b>Kinematic viscosity</b>                     | No data available                       | None known              |
| <b>Dynamic viscosity</b>                       | No data available                       | None known              |
| <b>Water solubility</b>                        | No data available Immiscible with water | None known              |
| <b>Solubility(ies)</b>                         | No data available                       | None known              |
| <b>Partition coefficient</b>                   | No data available                       | None known              |
| <b>Vapour pressure</b>                         | No data available                       | None known              |
| <b>Relative density</b>                        | 0.727 @ 20°C                            | None known              |
| <b>Bulk density</b>                            | No data available                       |                         |
| <b>Liquid Density</b>                          | No data available                       |                         |
| <b>Relative vapour density</b>                 | No data available                       | None known              |
| <b>Particle characteristics</b>                |                                         |                         |
| <b>Particle Size</b>                           | No information available                |                         |
| <b>Particle Size Distribution</b>              | No information available                |                         |

|                      |                          |
|----------------------|--------------------------|
| 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. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness. |
| Eye contact  | Specific test data for the substance or mixture is not available. May cause irritation.                                                                                                                                                                                                                                                                        |
| Skin contact | Repeated exposure may cause skin dryness or cracking. 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. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.                              |

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

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Dizziness. 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)                 | 99,999.00 mg/kg |
| ATEmix (dermal)               | 12,970.40 mg/kg |
| ATEmix (inhalation-gas)       | 99,999.00 ppm   |
| ATEmix (inhalation-vapour)    | 99,999.00 mg/l  |
| ATEmix (inhalation-dust/mist) | 99,999.00 mg/l  |

**Component Information**

| Chemical name                           | Oral LD50            | Dermal LD50             | Inhalation LC50         |
|-----------------------------------------|----------------------|-------------------------|-------------------------|
| Naphtha (petroleum), hydrotreated light | > 5000 mg/kg ( Rat ) | > 3160 mg/kg ( Rabbit ) | = 73680 ppm ( Rat ) 4 h |

**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** Contains a known or suspected mutagen. Classification based on data available for ingredients. May cause genetic defects.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

| Chemical name                           | United Kingdom |
|-----------------------------------------|----------------|
| n-Butane                                | Muta. 1B       |
| Naphtha (petroleum), hydrotreated light | Muta. 1B       |
| Propane                                 | Muta. 1B       |
| Isobutane                               | Muta. 1B       |

**Carcinogenicity** Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name                           | United Kingdom |
|-----------------------------------------|----------------|
| n-Butane                                | Carc. 1A       |
| Naphtha (petroleum), hydrotreated light | Carc. 1B       |
| Propane                                 | Carc. 1A       |
| Isobutane                               | Carc. 1A       |

**Reproductive toxicity** No information available.

|                          |                                               |
|--------------------------|-----------------------------------------------|
| STOT - single exposure   | May cause drowsiness or dizziness.            |
| STOT - repeated exposure | No information available.                     |
| Aspiration hazard        | May be fatal if swallowed and enters airways. |
| Other adverse effects    | No information available.                     |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                          |                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------|
| Ecotoxicity              | Harmful to aquatic life with long lasting effects.                                |
| Unknown aquatic toxicity | Contains 0.06243 % of components with unknown hazards to the aquatic environment. |

| Chemical name                           | Algae/aquatic plants | Fish                                       | Toxicity to microorganisms | Crustacea                            |
|-----------------------------------------|----------------------|--------------------------------------------|----------------------------|--------------------------------------|
| Naphtha (petroleum), hydrotreated light | -                    | LC50: =8.41mg/L (96h, Oncorhynchus mykiss) | -                          | EC50: <0.26mg/L (48h, Daphnia magna) |

### 12.2. Persistence and degradability

|                               |                           |
|-------------------------------|---------------------------|
| Persistence and degradability | No information available. |
|-------------------------------|---------------------------|

### 12.3. Bioaccumulative potential

#### Bioaccumulation

### 12.4. Mobility in soil

|                  |                           |
|------------------|---------------------------|
| Mobility in soil | No information available. |
|------------------|---------------------------|

### 12.5. Results of PBT and vPvB assessment

|                         |                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------|
| PBT and vPvB assessment | The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration. |
|-------------------------|-------------------------------------------------------------------------------------------------------------|

| Chemical name                           | PBT and vPvB assessment         |
|-----------------------------------------|---------------------------------|
| n-Butane                                | The substance is not PBT / vPvB |
| Naphtha (petroleum), hydrotreated light | The substance is not PBT / vPvB |
| Propane                                 | The substance is not PBT / vPvB |
| Isobutane                               | The substance is not PBT / vPvB |

### 12.6. Other adverse effects

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        | No                               |
| 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           |
| 14.5 Environmental hazards                                   | No                              |
| 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 | No information available        |

### RID

|                                   |                       |
|-----------------------------------|-----------------------|
| 14.1 UN number or ID number       | UN1950                |
| 14.2 UN proper shipping name      | Aerosols              |
| 14.3 Transport hazard class(es)   | 2.2                   |
| 14.4 Packing group                | Not regulated         |
| Description                       | UN1950, Aerosols, 2.2 |
| 14.5 Environmental hazards        | No                    |
| 14.6 Special precautions for user |                       |
| Special Provisions                | 190, 327, 344, 625    |
| Classification code               | 5A                    |

### ADR

|                                   |                            |
|-----------------------------------|----------------------------|
| 14.1 UN number or ID number       | UN1950                     |
| 14.2 UN proper shipping name      | Aerosols                   |
| 14.3 Transport hazard class(es)   | 2.2                        |
| 14.4 Packing group                | Not regulated              |
| Description                       | UN1950, Aerosols, 2.2, (E) |
| 14.5 Environmental hazards        | No                         |
| 14.6 Special precautions for user |                            |
| Special Provisions                | 327, 625, 344, 190         |
| Classification code               | 5A                         |
| Tunnel restriction code           | (E)                        |

## SECTION 15: Regulatory information

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

#### National regulations

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

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

| Chemical name                                        | Restricted substance per REACH Annex XVII                                                                         | Substance subject to authorisation per REACH Annex XIV |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| n-Butane - 106-97-8                                  | Use restricted. See item 28.<br>Use restricted. See item 29.<br>Restricted Carcinogen 1A<br>Restricted Mutagen 1B | -                                                      |
| Naphtha (petroleum), hydrotreated light - 64742-49-0 | Use restricted. See item 28.<br>Use restricted. See item 29.<br>Restricted Carcinogen 1B<br>Restricted Mutagen 1B | -                                                      |
| Propane - 74-98-6                                    | Use restricted. See item 28.<br>Use restricted. See item 29.                                                      | -                                                      |
| Isobutane - 75-28-5                                  | Use restricted. See item 28.<br>Use restricted. See item 29.<br>Restricted Carcinogen 1A<br>Restricted Mutagen 1B | -                                                      |

#### Persistent Organic Pollutants

Not applicable

#### Export Notification requirements

Not applicable

#### Dangerous substance category per COMAH Regulations 2015 (as amended)

P3a - FLAMMABLE AEROSOLS

P3b - FLAMMABLE AEROSOLS

#### Named dangerous substances per COMAH Regulations 2015 (as amended)

| Chemical name                                        | Lower-tier requirements (tons) | Upper-tier requirements (tons) |
|------------------------------------------------------|--------------------------------|--------------------------------|
| Naphtha (petroleum), hydrotreated light - 64742-49-0 | -                              | 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 Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

#### International Inventories

TSCA

Contact supplier for inventory compliance status

DSL/NDSL

Contact supplier for inventory compliance status

EINECS/ELINCS

Contact supplier for inventory compliance status

ENCS

Contact supplier for inventory compliance status

IECSC

Contact supplier for inventory compliance status

|       |                                                  |
|-------|--------------------------------------------------|
| KECL  | Contact supplier for inventory compliance status |
| PICCS | Contact supplier for inventory compliance status |
| AIIC  | Contact supplier for inventory compliance status |
| NZIoC | Contact supplier for inventory compliance status |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - 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**

H304 - May be fatal if swallowed and enters airways  
H340 - May cause genetic defects  
H350 - May cause cancer

**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         | *    | 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    |
| Chronic aquatic toxicity                                        | Calculation method    |
| Acute aquatic toxicity                                          | Calculation method    |
| Aspiration hazard                                               | On basis of test data |
| 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 30/01/2025

This material safety data sheet 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

Partial process, including GHS Wizard, NO TW

|                                                    |            |
|----------------------------------------------------|------------|
| 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 H304 - May be fatal if swallowed and enters airways H340 - May cause genetic defects H350 - May cause cancer

| Chemical name                           | Classification according to GB CLP (SI 2020/1567 as amended) | Specific concentration limit (SCL) |
|-----------------------------------------|--------------------------------------------------------------|------------------------------------|
| n-Butane                                | Flam. Gas 1 (H220)<br>Press. Gas ()                          |                                    |
| Naphtha (petroleum), hydrotreated light | Muta. 1B (H340)<br>Carc. 1B (H350)                           |                                    |

|           |                                  |  |
|-----------|----------------------------------|--|
|           | Asp. Tox. 1 (H304)               |  |
| Propane   | Flam. Gas 1 (H220)               |  |
| Isobutane | Flam. Gas 1 (H220)<br>Press. Gas |  |