

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 2

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

### 1.1. Product identifier

**Product Code(s)** HAPP0086B, HAPP0141A, HMTN0019A

**Product Name** Holts Car Sanitiser

**Pure substance/mixture** Mixture

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

**Recommended use** Car Maintenance Product Cleaning agent

**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. 00 44 (0) 161 886 4806 (24 Hour Voicemail).
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

<b>Aerosols</b>	Category 1 - (H222, H229)
<b>Serious eye damage/eye irritation</b>	Category 2 - (H319)

## 2.2. Label elements



**Signal word**  
Danger

### Hazard statements

H222 - Extremely flammable aerosol

H229 - Pressurised container: May burst if heated

H319 - Causes serious eye irritation

### Precautionary statements

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 eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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

Aliphatic hydrocarbons	>= 30%
Perfume, Phenethyl alcohol	

### Unknown aquatic toxicity

Contains 1E-05 % of components with unknown hazards to the aquatic environment.

## 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health

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 106-97-8	25 - <50%	203-448-7 (601-004-00-0)	-	Flam. Gas 1 (H220) Press. Gas ()	-	-	-
Propane	10 -	200-827-9	-	Flam. Gas 1 (H220)	-	-	-

74-98-6	<25%	(601-003-00-5)					
Isobutane 75-28-5	10 - <25%	200-857-2 (601-004-00-0)	-	Flam. Gas 1 (H220) 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.
<b>Inhalation</b>	Remove to fresh air.
<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 skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
<b>Ingestion</b>	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.
<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. 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**

<b>Symptoms</b>	May cause redness and tearing of the eyes. Burning sensation.
<b>Effects of Exposure</b>	No information available.

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

<b>Note to doctors</b>	Treat symptomatically.
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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

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

<b>Specific hazards arising from the</b>	Risk of ignition. Keep product and empty container away from heat and sources of ignition.
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chemical	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.
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### 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.
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## **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.
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### 6.3. Methods and material for containment and cleaning up

Methods for containment	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.
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.
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## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Advice on safe handling	Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use spark-proof tools and explosion-proof equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Keep in an area equipped with sprinklers. Do not puncture or incinerate cans. Contents under pressure. In case of rupture. Avoid breathing vapours or mists. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.
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**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. Avoid contact with skin, eyes or clothing. 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** 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 106-97-8	TWA: 600 ppm TWA: 1450 mg/m <sup>3</sup> STEL: 750 ppm 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
Ethyl alcohol 64-17-5		343 mg/kg bw/day [4] [6]	950 mg/m <sup>3</sup> [4] [6] 1900 mg/m <sup>3</sup> [5] [7]
Isopropyl alcohol 67-63-0		888 mg/kg bw/day [4] [6]	500 mg/m <sup>3</sup> [4] [6]
7-Octen-2-ol, 2,6-dimethyl- 18479-58-8		20.8 mg/kg bw/day [4] [6]	73.5 mg/m <sup>3</sup> [4] [6]
Linalool 78-70-6		2.5 mg/kg bw/day [4] [6] 5 mg/kg bw/day [4] [7] 3 mg/cm <sup>2</sup> [5] [6] 3 mg/cm <sup>2</sup> [5] [7]	2.8 mg/m <sup>3</sup> [4] [6] 16.5 mg/m <sup>3</sup> [4] [7]
Phenethyl alcohol 60-12-8		21.2 mg/kg bw/day [4] [6]	59.9 mg/m <sup>3</sup> [4] [6]
Linalyl acetate 115-95-7		2.5 mg/kg bw/day [4] [6] 236.2 µg/cm <sup>2</sup> [5] [6] 236.2 µg/cm <sup>2</sup> [5] [7]	2.75 mg/m <sup>3</sup> [4] [6]
Eugenol		6 mg/kg bw/day [4] [6]	21.2 mg/m <sup>3</sup> [4] [6]

Chemical name	Oral	Dermal	Inhalation
97-53-0			
4-Penten-2-ol, 3-methyl-5-(2,2,3-trimethyl-3-cyclopent en-1-yl)- 67801-20-1		6.67 mg/kg bw/day [4] [6]	92.75 mg/m <sup>3</sup> [4] [6]
Geraniol 106-24-1		12.5 mg/kg bw/day [4] [6] 11800 µg/cm <sup>2</sup> [5] [6]	161.6 mg/m <sup>3</sup> [4] [6]
Menthol 89-78-1		13.15 mg/kg bw/day [4] [6]	46.4 mg/m <sup>3</sup> [4] [6]
Camphor 76-22-2		10 mg/kg bw/day [4] [6]	17.6316 mg/m <sup>3</sup> [4] [6]
Citronellol 106-22-9		327.4 mg/kg bw/day [4] [6] 2950 µg/cm <sup>2</sup> [5] [7]	161.6 mg/m <sup>3</sup> [4] [6] 10 mg/m <sup>3</sup> [5] [6] 10 mg/m <sup>3</sup> [5] [7]
TRANS-ANETHOLE 4180-23-8		7.5 mg/kg bw/day [4] [6]	10.57 mg/m <sup>3</sup> [4] [6]
Alpha-Pinene 80-56-8		0.542 mg/kg bw/day [4] [6]	3.8 mg/m <sup>3</sup> [4] [6]
Geranyl acetate 105-87-3		35.5 mg/kg bw/day [4] [6]	62.59 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
Ethyl alcohol 64-17-5	87 mg/kg bw/day [4] [6]		114 mg/m <sup>3</sup> [4] [6] 950 mg/m <sup>3</sup> [5] [7]
Isopropyl alcohol 67-63-0	26 mg/kg bw/day [4] [6]		89 mg/m <sup>3</sup> [4] [6]
7-Octen-2-ol, 2,6-dimethyl- 18479-58-8	12.5 mg/kg bw/day [4] [6]		21.7 mg/m <sup>3</sup> [4] [6]
Linalool 78-70-6	0.2 mg/kg bw/day [4] [6] 1.2 mg/kg bw/day [4] [7]	2.5 mg/kg bw/day [4] [6] 2.5 mg/kg bw/day [4] [7] 1.5 mg/cm <sup>2</sup> [5] [6] 1.5 mg/cm <sup>2</sup> [5] [7]	0.7 mg/m <sup>3</sup> [4] [6] 4.1 mg/m <sup>3</sup> [4] [7]
Phenethyl alcohol 60-12-8	5.1 mg/kg bw/day [4] [6] 5.1 mg/kg bw/day [4] [7]		17.7 mg/m <sup>3</sup> [4] [6]
Linalyl acetate 115-95-7	0.2 mg/kg bw/day [4] [6]	236.2 µg/cm <sup>2</sup> [5] [6] 236.2 µg/cm <sup>2</sup> [5] [7]	0.68 mg/m <sup>3</sup> [4] [6]
Eugenol 97-53-0	3 mg/kg bw/day [4] [6]		5.22 mg/m <sup>3</sup> [4] [6]
4-Penten-2-ol, 3-methyl-5-(2,2,3-trimethyl-3-cyclopent en-1-yl)- 67801-20-1	3.33 mg/kg bw/day [4] [6]		23.15 mg/m <sup>3</sup> [4] [6]
Geraniol 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]
Menthol 89-78-1	4.7 mg/kg bw/day [4] [6]		8.17 mg/m <sup>3</sup> [4] [6]
Camphor	5 mg/kg bw/day [4] [6]		4.3478 mg/m <sup>3</sup> [4] [6]

Chemical name	Oral	Dermal	Inhalation
76-22-2			
Citronellol 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] 10 mg/m <sup>3</sup> [5] [6] 10 mg/m <sup>3</sup> [5] [7]
TRANS-ANETHOLE 4180-23-8			5.28 mg/m <sup>3</sup> [4] [6]
Alpha-Pinene 80-56-8	0.225 mg/kg bw/day [4] [6]		0.674 mg/m <sup>3</sup> [4] [6]
Geranyl acetate 105-87-3	8.9 mg/kg bw/day [4] [6]		15.4 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 (intermittent release)	Marine water	Marine water (intermittent release)	Air
Isopropyl alcohol 67-63-0	140.9 mg/L	140.9 mg/L	140.9 mg/L		
7-Octen-2-ol, 2,6-dimethyl- 18479-58-8	27.8 µg/L	0.278 mg/L	2.78 µg/L		
Linalool 78-70-6	0.2 mg/L	2 mg/L	0.02 mg/L		
4-tert-Butylcyclohexyl acetate 32210-23-4	5.3 µg/L	53 µg/L	0.53 µg/L		
Phenethyl alcohol 60-12-8	0.215 mg/L	2.15 mg/L	0.0215 mg/L		
Linalyl acetate 115-95-7	0.011 mg/L	0.11 mg/L	0.0011 mg/L		
Eugenol 97-53-0	1.13 µg/L	11.3 µg/L	0.113 µg/L		
4-Penten-2-ol, 3-methyl-5-(2,2,3-trimethyl -3-cyclopenten-1-yl)- 67801-20-1	0.0019 mg/L	0.019 mg/L	0.00019 mg/L		
Geraniol 106-24-1	0.0108 mg/L	0.108 mg/L	0.00108 mg/L		
Menthol 89-78-1	0.0162 mg/L		0.00162 mg/L		
Camphor 76-22-2	1.71 µg/L	17.1 µg/L	0.171 µg/L	1.71 µg/L	
Citronellol 106-22-9	0.0024 mg/L	0.024 mg/L	0.00024 mg/L		
TRANS-ANETHOLE 4180-23-8	0.021 mg/L		0.0021 mg/L		
Alpha-Pinene 80-56-8	0.606 µg/L	3.03 µg/L	0.0606 µg/L	0.303 µg/L	
Geranyl acetate 105-87-3	3.72 µg/L	37.2 µg/L	0.372 µg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Isopropyl alcohol 67-63-0	552 mg/kg sediment dw	552 mg/kg sediment dw	2251 mg/L	28 mg/kg soil dw	160 mg/kg food
7-Octen-2-ol, 2,6-dimethyl- 18479-58-8	0.594 mg/kg sediment dw	0.0594 mg/kg sediment dw	10 mg/L	0.103 mg/kg soil dw	111 mg/kg food
Linalool 78-70-6	2.22 mg/kg sediment dw	0.222 mg/kg sediment dw	10 mg/L	0.327 mg/kg soil dw	7.8 mg/kg food
4-tert-Butylcyclohexyl acetate 32210-23-4	2.01 mg/kg sediment dw	0.21 mg/kg sediment dw	12.2 mg/L	0.42 mg/kg soil dw	66.67 mg/kg food
Phenethyl alcohol 60-12-8	1.454 mg/kg sediment dw	0.1454 mg/kg sediment dw	10 mg/L	0.164 mg/kg soil dw	
Linalyl acetate 115-95-7	0.609 mg/kg sediment dw	0.0609 mg/kg sediment dw	1 mg/L	0.115 mg/kg soil dw	
Eugenol 97-53-0	0.081 mg/kg sediment dw	0.0081 mg/kg sediment dw		0.0155 mg/kg soil dw	
4-Penten-2-ol, 3-methyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)- 67801-20-1	0.067 mg/kg sediment dw	0.0067 mg/kg sediment dw	1 mg/L	0.0534 mg/kg soil dw	33.3 mg/kg food
Geraniol 106-24-1	0.115 mg/kg sediment dw	0.0115 mg/kg sediment dw	0.7 mg/L	0.0167 mg/kg soil dw	
Menthol 89-78-1	0.20112 mg/kg sediment dw	0.02011 mg/kg sediment dw	3.06 mg/L	0.03063 mg/kg soil dw	
Camphor 76-22-2	0.139 mg/kg sediment dw	0.0174 mg/kg sediment dw	1 mg/L	0.01326 mg/kg soil dw	
Citronellol 106-22-9	0.0256 mg/kg sediment dw	0.00256 mg/kg sediment dw	580 mg/L	0.00371 mg/kg soil dw	
TRANS-ANETHOLE 4180-23-8	0.1655 mg/kg sediment dw	0.0165 mg/kg sediment dw	0.972 mg/L	0.0972 mg/kg soil dw	
Alpha-Pinene 80-56-8	157 µg/kg sediment dw	15.7 µg/kg sediment dw	0.2 mg/L	31.7 µg/kg soil dw	8.76 mg/kg food
Geranyl acetate 105-87-3	0.442 mg/kg sediment dw	0.0442 mg/kg sediment dw	8 mg/L	0.0859 mg/kg soil dw	

**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. Avoid contact with skin, eyes or clothing. 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
Appearance	Aerosol Opaque liquid
Colour	No information available
Odour	New Car.
Odour threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available Immiscible with 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	0.793 @ 20°C	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	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** None known based on information supplied.

**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**

<b>Inhalation</b>	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.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	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** May cause redness and tearing of the eyes.

**Acute toxicity**

**Numerical measures of toxicity**

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

<b>ATEmix (oral)</b>	99,999.00	mg/kg
<b>ATEmix (dermal)</b>	99,999.00	mg/kg
<b>ATEmix (inhalation-gas)</b>	99,999.00	ppm
<b>ATEmix (inhalation-vapour)</b>	99,999.00	mg/l
<b>ATEmix (inhalation-dust/mist)</b>	99,999.00	mg/l

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation** May cause skin irritation.**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.**Respiratory or skin sensitisation** No information available.**Germ cell mutagenicity** No information available.

Chemical name	United Kingdom
n-Butane	Muta. 1B
Propane	Muta. 1B
Isobutane	Muta. 1B

**Carcinogenicity** No information available.

Chemical name	United Kingdom
n-Butane	Carc. 1A
Propane	Carc. 1A
Isobutane	Carc. 1A

**Reproductive toxicity** No information available.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Aspiration hazard** No information available.**Other adverse effects** No information available.**SECTION 12: Ecological information****12.1. Toxicity****Ecotoxicity****Unknown aquatic toxicity** Contains 1E-05 % of components with unknown hazards to the aquatic environment.**12.2. Persistence and degradability****Persistence and degradability** No information available.**12.3. Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

#### 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
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 Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group None  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user  
Special Provisions None

#### IMDG

14.1 UN number or ID number UN1950  
14.2 UN proper shipping name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group None  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user  
Special Provisions None  
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 Not regulated

14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	None
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

**ADR**

14.1 UN number or ID number	UN1950
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	None
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

**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 does not contain substances subject to authorisation (UK REACH - Annex XIV). This product does not contain 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. Use restricted. See item 29. Restricted Carcinogen 1A Restricted Mutagen 1B	-
Propane - 74-98-6	Use restricted. See item 28. Use restricted. See item 29.	-
Isobutane - 75-28-5	Use restricted. See item 28. Use restricted. See item 29. Restricted Carcinogen 1A 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)**

Not applicable

**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**

<b>TSCA</b>	Contact supplier for inventory compliance status
<b>DSL/NDL</b>	Contact supplier for inventory compliance status
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status
<b>ENCS</b>	Contact supplier for inventory compliance status
<b>IECSC</b>	Contact supplier for inventory compliance status
<b>KECL</b>	Contact supplier for inventory compliance status
<b>PICCS</b>	Contact supplier for inventory compliance status
<b>AIIC</b>	Contact supplier for inventory compliance status
<b>NZIoC</b>	Contact supplier for inventory compliance status

**Legend:**

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

**15.2. Chemical safety assessment**

<b>Chemical Safety Report</b>	No information available
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**SECTION 16: Other information**

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

**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  
Chronic aquatic toxicity  
Acute aquatic toxicity  
Aspiration hazard  
Ozone  
Flammable aerosol

Calculation method  
Calculation method  
Calculation method  
On basis of test data  
Calculation method  
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

Chemical name	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)
n-Butane	Flam. Gas 1 (H220) Press. Gas ()	

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Propane	Flam. Gas 1 (H220)	
Isobutane	Flam. Gas 1 (H220) Press. Gas	