

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

Revision date 25/02/2025

Revision Number 37

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

### 1.1. Product identifier

**Product Code(s)** TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HRE0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREO0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A

**Product Name** Tyreweld

**Pure substance/mixture** Mixture

### 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

#### Supplier

Holts Auto  
Unit 100 Barton Dock Road  
Manchester  
United Kingdom  
M32 0YQ

For further information, please contact

**Contact Point** [www.holtsauto.com](http://www.holtsauto.com)

**E-mail address** [info@holtsauto.com](mailto: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).

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC,  
 HT4YD, HREP0023A, HREP0022A, HREP0024A,  
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 HREP0066A, HRE0067A, HREP0053A, HREP0054A,  
 HREP0055A, 72051020000, 79051382928,  
 79051382929, 79051392928, 79051392929,  
 79051372928, 79051372929, HT5SFKY6, HT2Y,  
 HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y,  
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 HT4Y, HT4YA, 71051100002, 72051020012,  
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|                |                                                                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| United Kingdom | 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) |
|----------|---------------------------|

### 2.2. Label elements



#### Signal word

Danger

#### Hazard statements

H222 - Extremely flammable aerosol

H229 - Pressurised container: May burst if heated

#### Precautionary statements

P102 - Keep out of reach of children

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

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

P251 - Do not pierce or burn, even after use

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

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HREP0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREP0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A  
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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<br>106-97-8 | 10 -<br><25% | 203-448-7<br>(601-004-00-0) | -                            | Flam. Gas 1 (H220)<br>Press. Gas ()                          | -                                  | -        | -                    |
| 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)

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                    |                                                                                                                                                                                                                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice                     | Show this safety data sheet to the doctor in attendance.                                                                                                                                                                                                                            |
| Inhalation                         | Remove to fresh air.                                                                                                                                                                                                                                                                |
| Eye contact                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| Skin contact                       | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.                                                                                                                                                                                   |
| Ingestion                          | Rinse mouth.                                                                                                                                                                                                                                                                        |
| Self-protection of the first aider | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8).                                                 |

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

|                     |                           |
|---------------------|---------------------------|
| Symptoms            | No information available. |
| Effects of Exposure | No information available. |

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

|                 |                        |
|-----------------|------------------------|
| Note to doctors | Treat symptomatically. |
|-----------------|------------------------|

## SECTION 5: Firefighting measures

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TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HREP0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREP0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A  
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### 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 chemical</b> | 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

|                                                                       |                                                                                                                                    |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special protective equipment and precautions for fire-fighters</b> | 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

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>     | 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. |
| <b>Other information</b>        | Ventilate the area.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>For emergency responders</b> | Use personal protection recommended in Section 8.                                                                                                                                                                                                                                                                                                                                                                                              |

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HREP0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREP0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A  
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## **6.2. Environmental precautions**

|                                  |                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions</b> | 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 contact with skin and eyes. Avoid breathing vapours or mists. |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                       |                                                                                                                                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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. |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HREP0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREP0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A  
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## 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<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 |
|---------------|------|--------|------------|
|---------------|------|--------|------------|

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HREP0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREP0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A  
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| Chemical name                                                    | Oral | Dermal | Inhalation                                                       |
|------------------------------------------------------------------|------|--------|------------------------------------------------------------------|
| 1,2-Propanediol<br>57-55-6                                       |      |        | 168 mg/m <sup>3</sup> [4] [6]<br>10 mg/m <sup>3</sup> [5] [6]    |
| METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE<br>55965-84-9 |      |        | 0.02 mg/m <sup>3</sup> [5] [6]<br>0.04 mg/m <sup>3</sup> [5] [7] |

#### 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                                                       |
|------------------------------------------------------------------|--------------------------------------------------------|--------|------------------------------------------------------------------|
| 1,2-Propanediol<br>57-55-6                                       |                                                        |        | 50 mg/m <sup>3</sup> [4] [6]<br>10 mg/m <sup>3</sup> [5] [6]     |
| METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE<br>55965-84-9 | 0.09 mg/kg bw/day [4] [6]<br>0.11 mg/kg bw/day [4] [7] |        | 0.02 mg/m <sup>3</sup> [5] [6]<br>0.04 mg/m <sup>3</sup> [5] [7] |

#### 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 |
|-----------------|------------|--------------------------------------|--------------|----------------------------------------|-----|
| 1,2-Propanediol | 260 mg/L   | 183 mg/L                             | 26 mg/L      |                                        |     |

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HREP0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREP0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A  
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| Chemical name                                                                          | Freshwater | Freshwater<br>(intermittent release) | Marine water | Marine water<br>(intermittent release) | Air |
|----------------------------------------------------------------------------------------|------------|--------------------------------------|--------------|----------------------------------------|-----|
| 57-55-6<br>METHYLCHLOROISOTHI<br>AZOLINONE,<br>METHYLISOTHIAZOLINO<br>NE<br>55965-84-9 | 3.39 µg/L  | 3.39 µg/L                            | 3.39 µg/L    | 3.39 µg/L                              |     |

| Chemical name                                                                                             | Freshwater<br>sediment     | Marine sediment            | Sewage treatment | Soil               | Food chain |
|-----------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|------------------|--------------------|------------|
| 1,2-Propanediol<br>57-55-6<br>METHYLCHLOROISOTHI<br>AZOLINONE,<br>METHYLISOTHIAZOLINO<br>NE<br>55965-84-9 | 572 mg/kg sediment<br>dw   | 57.2 mg/kg<br>sediment dw  | 20000 mg/L       | 50 mg/kg soil dw   |            |
|                                                                                                           | 0.027 mg/kg<br>sediment dw | 0.027 mg/kg<br>sediment dw | 0.23 mg/L        | 0.01 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.

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

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC,  
 HT4YD, HREP0023A, HREP0022A, HREP0024A,  
 HREP0025A, HREP0026A, HREP0027A,  
 HREP0028A, HREP0033A, HREP0048A,  
 HREP0066A, HRE0067A, HREP0053A, HREP0054A,  
 HREP0055A, 72051020000, 79051382928,  
 79051382929, 79051392928, 79051392929,  
 79051372928, 79051372929, HT5SFKY6, HT2Y,  
 HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y,  
 HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA,  
 HT4Y, HT4YA, 71051100002, 72051020012,  
 62051010001, 53012010001, 53012020001,  
 72081191125, 5010218214521, 3256640015776,  
 5010218214552, 5010218214514, 3256640015813,  
 72051030001, HREP0403A, HREP0404A,  
 HREP0601A, HT2, HREP0304A, 72051041012,  
 HREP0504A, HREP0406A, HREP0402A,  
 HREP0502A, 72051030012, HREP0503A,  
 HREP0402B, HREO0502B, HREP0018A,  
 72051030022, 72051030089, 72051040012,  
 72051400054, HREP0075A, HREP0072A, HREP0077A  
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|                                       |                                                                                                                                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | 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. |

## SECTION 9: Physical and chemical properties

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

|                        |                          |
|------------------------|--------------------------|
| <b>Physical state</b>  | Aerosol                  |
| <b>Appearance</b>      | Aerosol Opaque liquid    |
| <b>Colour</b>          | white                    |
| <b>Odour</b>           | Slight.                  |
| <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>                             | No data available | None known                      |
| <b>Autoignition temperature</b>                | No data available | None known                      |
| <b>Decomposition temperature</b>               |                   | None known                      |
| <b>pH</b>                                      | 9.5               | pH (concentrated solution): 9.5 |
| <b>pH (as aqueous solution)</b>                | No data available | None known                      |
| <b>Kinematic viscosity</b>                     | No data available | None known                      |

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HREP0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREP0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A  
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|                            |                                             |            |
|----------------------------|---------------------------------------------|------------|
| Dynamic viscosity          | No data available                           | None known |
| Water solubility           | No data available Slightly soluble in water | None known |
| Solubility(ies)            | Insoluble in organic solvents               | None known |
| Partition coefficient      | No data available                           | None known |
| Vapour pressure            | No data available                           | None known |
| Relative density           | 1.005 @ 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

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HREP0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREP0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A  
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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

|              |                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------|
| Inhalation   | Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. |
| Eye contact  | Specific test data for the substance or mixture is not available.                               |
| Skin contact | Specific test data for the substance or mixture is not available.                               |
| Ingestion    | Specific test data for the substance or mixture is not available.                               |

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

Symptoms No information available.

##### Acute toxicity

##### Numerical measures of toxicity

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TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HREP0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREP0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A  
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The following values are calculated based on chapter 3.1 of the GHS document

|                               |                  |
|-------------------------------|------------------|
| ATEmix (oral)                 | 99,999.00 mg/kg  |
| ATEmix (dermal)               | 99,999.00 mg/kg  |
| ATEmix (inhalation-gas)       | 99,999.00 ppm    |
| ATEmix (inhalation-vapour)    | 99,999.000 mg/l  |
| ATEmix (inhalation-dust/mist) | 99,999.0000 mg/l |

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

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

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.

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC,  
 HT4YD, HREP0023A, HREP0022A, HREP0024A,  
 HREP0025A, HREP0026A, HREP0027A,  
 HREP0028A, HREP0033A, HREP0048A,  
 HREP0066A, HRE0067A, HREP0053A, HREP0054A,  
 HREP0055A, 72051020000, 79051382928,  
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 HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y,  
 HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA,  
 HT4Y, HT4YA, 71051100002, 72051020012,  
 62051010001, 53012010001, 53012020001,  
 72081191125, 5010218214521, 3256640015776,  
 5010218214552, 5010218214514, 3256640015813,  
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 HREP0601A, HT2, HREP0304A, 72051041012,  
 HREP0504A, HREP0406A, HREP0402A,  
 HREP0502A, 72051030012, HREP0503A,  
 HREP0402B, HREO0502B, HREP0018A,  
 72051030022, 72051030089, 72051040012,  
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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

### 12.4. Mobility in soil

Mobility in soil No information available.

### 12.5. Results of PBT and vPvB assessment

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC, HT4YD, HREP0023A, HREP0022A, HREP0024A, HREP0025A, HREP0026A, HREP0027A, HREP0028A, HREP0033A, HREP0048A, HREP0066A, HREP0067A, HREP0053A, HREP0054A, HREP0055A, 72051020000, 79051382928, 79051382929, 79051392928, 79051392929, 79051372928, 79051372929, HT5SFKY6, HT2Y, HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y, HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA, HT4Y, HT4YA, 71051100002, 72051020012, 62051010001, 53012010001, 53012020001, 72081191125, 5010218214521, 3256640015776, 5010218214552, 5010218214514, 3256640015813, 72051030001, HREP0403A, HREP0404A, HREP0601A, HT2, HREP0304A, 72051041012, HREP0504A, HREP0406A, HREP0402A, HREP0502A, 72051030012, HREP0503A, HREP0402B, HREP0502B, HREP0018A, 72051030022, 72051030089, 72051040012, 72051400054, HREP0075A, HREP0072A, HREP0077A  
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#### 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      | Aerosols       |
| 14.3 Transport hazard class(es)   | 2.1            |
| 14.4 Packing group                | None           |
| 14.5 Environmental hazards        | Not applicable |
| 14.6 Special precautions for user |                |
| Special Provisions                | None           |

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC,  
 HT4YD, HREP0023A, HREP0022A, HREP0024A,  
 HREP0025A, HREP0026A, HREP0027A,  
 HREP0028A, HREP0033A, HREP0048A,  
 HREP0066A, HRE0067A, HREP0053A, HREP0054A,  
 HREP0055A, 72051020000, 79051382928,  
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 79051372928, 79051372929, HT5SFKY6, HT2Y,  
 HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y,  
 HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA,  
 HT4Y, HT4YA, 71051100002, 72051020012,  
 62051010001, 53012010001, 53012020001,  
 72081191125, 5010218214521, 3256640015776,  
 5010218214552, 5010218214514, 3256640015813,  
 72051030001, HREP0403A, HREP0404A,  
 HREP0601A, HT2, HREP0304A, 72051041012,  
 HREP0504A, HREP0406A, HREP0402A,  
 HREP0502A, 72051030012, HREP0503A,  
 HREP0402B, HREO0502B, HREP0018A,  
 72051030022, 72051030089, 72051040012,  
 72051400054, HREP0075A, HREP0072A, HREP0077A  
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#### 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                                           | None                            |
| 14.5 Environmental hazards                                   | Not applicable                  |
| 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)   | 2.1                   |
| 14.4 Packing group                | None                  |
| Description                       | UN1950, Aerosols, 2.2 |
| 14.5 Environmental hazards        | Not applicable        |
| 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)   | 2.1            |
| 14.4 Packing group                | None           |
| 14.5 Environmental hazards        | Not applicable |
| 14.6 Special precautions for user |                |
| Special Provisions                | None           |
| Tunnel restriction code           | (D)            |

### SECTION 15: Regulatory information

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC,  
 HT4YD, HREP0023A, HREP0022A, HREP0024A,  
 HREP0025A, HREP0026A, HREP0027A,  
 HREP0028A, HREP0033A, HREP0048A,  
 HREP0066A, HRE0067A, HREP0053A, HREP0054A,  
 HREP0055A, 72051020000, 79051382928,  
 79051382929, 79051392928, 79051392929,  
 79051372928, 79051372929, HT5SFKY6, HT2Y,  
 HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y,  
 HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA,  
 HT4Y, HT4YA, 71051100002, 72051020012,  
 62051010001, 53012010001, 53012020001,  
 72081191125, 5010218214521, 3256640015776,  
 5010218214552, 5010218214514, 3256640015813,  
 72051030001, HREP0403A, HREP0404A,  
 HREP0601A, HT2, HREP0304A, 72051041012,  
 HREP0504A, HREP0406A, HREP0402A,  
 HREP0502A, 72051030012, HREP0503A,  
 HREP0402B, HREO0502B, HREP0018A,  
 72051030022, 72051030089, 72051040012,  
 72051400054, HREP0075A, HREP0072A, HREP0077A  
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#### **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.<br>Use restricted. See item 29.<br>Restricted Carcinogen 1A<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)**

Not applicable

##### **The Ozone-Depleting Substances Regulations 2015**

Not applicable

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

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC,  
 HT4YD, HREP0023A, HREP0022A, HREP0024A,  
 HREP0025A, HREP0026A, HREP0027A,  
 HREP0028A, HREP0033A, HREP0048A,  
 HREP0066A, HRE0067A, HREP0053A, HREP0054A,  
 HREP0055A, 72051020000, 79051382928,  
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 HT2YRU, HT3SFKY, 72051020001, HT5YRU, HT3Y,  
 HT2YPL, HT5YPL, 72051400001, HT2YA, HT3YA,  
 HT4Y, HT4YA, 71051100002, 72051020012,  
 62051010001, 53012010001, 53012020001,  
 72081191125, 5010218214521, 3256640015776,  
 5010218214552, 5010218214514, 3256640015813,  
 72051030001, HREP0403A, HREP0404A,  
 HREP0601A, HT2, HREP0304A, 72051041012,  
 HREP0504A, HREP0406A, HREP0402A,  
 HREP0502A, 72051030012, HREP0503A,  
 HREP0402B, HREO0502B, HREP0018A,  
 72051030022, 72051030089, 72051040012,  
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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/NDL       | 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**

TW1, TW2, TW3, 72051040001, HT4YB, HT4YC,  
 HT4YD, HREP0023A, HREP0022A, HREP0024A,  
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 HREP0504A, HREP0406A, HREP0402A,  
 HREP0502A, 72051030012, HREP0503A,  
 HREP0402B, HREO0502B, HREP0018A,  
 72051030022, 72051030089, 72051040012,  
 72051400054, HREP0075A, HREP0072A, HREP0077A  
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#### 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                                        | 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)

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72051400054, HREP0075A, HREP0072A, HREP0077A  
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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

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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:

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 72051400054, HREP0075A, HREP0072A, HREP0077A  
 - Tyreweld

Revision date 25/02/2025

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)<br>Press. Gas ()                          |                                    |
| Propane       | Flam. Gas 1 (H220)                                           |                                    |
| Isobutane     | Flam. Gas 1 (H220)<br>Press. Gas                             |                                    |