

# CLOTHES MOTH SPRAY KILLER



## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
SDS Reference Number: 1638  
Issue date: 14/02/2024 Revision date: 18/02/2026 Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : CLOTHES MOTH SPRAY KILLER  
Product code : FSC101  
Type of product : Biocidal products (e.g. Disinfectants, pest control)  
Authorisation number :  
Vaporizer : Aerosol  
Product group : Product

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

##### Relevant identified uses

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : A hand-held aerosol, insecticidal spray against crawling insects such as clothes moths, carpet beetle, woodlice and ants in and around the home.  
Use of the substance/mixture : Insecticide (Spray)

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

Rentokil Initial Limited  
Hazel House  
Millennium Park  
Naas  
County Kildare  
W91 PXP3  
Ireland

Tel: +353 (0)45 850 799  
E: sds@rentokil.com

#### 1.4. Emergency telephone number

| Country/Area | Organisation                                                                                | Emergency number                                                                             |
|--------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Ireland      | National Poisons Information Centre.<br>Beaumont Hospital.<br>PO Box 1297. Beaumont Road 9. | +353 1 809 2566 (Healthcare professionals-24/7)<br>+353 1 809 2166 (public, 8am - 10pm, 7/7) |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222;H229  
Hazardous to the aquatic environment – Acute Hazard, Category 1 H400  
Hazardous to the aquatic environment – Chronic Hazard, Category 1 H410  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

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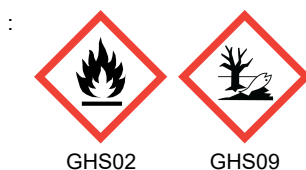
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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P102 - Keep out of reach of children.  
P103 - Read label before use.  
P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P251 - Pressurized container: Do not pierce or burn, even after use.  
P273 - Avoid release to the environment.  
P391 - Collect spillage.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P501 - Dispose of contents/container to normal household waste. However if used in a place of work any product and empty container must be disposed of as controlled waste..

EUH-statements

: EUH066 - Repeated exposure may cause skin dryness or cracking.

Derogation from labelling requirements according to CLP Article 23(c); Annex I Part 1 Section 1.3.3

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

| Component                                                                                     |                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII  | prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (23031-36-9) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (23031-36-9) |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name                                                      | Product identifier                                                                                        | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------|
| Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics | EC-No.: 927-676-8<br>REACH-no: 01-2119456377-30                                                           | 5 – 10 | Asp. Tox. 1, H304                                               |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics          | CAS-No.: 246538-78-3<br>EC-No.: 920-901-0<br>EC Index-No.: 01-2119456810-40<br>REACH-no: 01-2119456810-40 | 2 – 3  | Asp. Tox. 1, H304                                               |

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| Name                                                                                                                                                                   | Product identifier                                                     | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cyphenothrin<br>(Active substance (Biocide))                                                                                                                           | CAS-No.: 39515-40-7<br>EC-No.: 254-484-5                               | 0.30  | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>STOT RE 1, H372<br>Aquatic Acute 1, H400 (M=1000)<br>Aquatic Chronic 1, H410 (M=100) |
| prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate<br>(Active substance (Biocide)) | CAS-No.: 23031-36-9<br>EC-No.: 245-387-9<br>EC Index-No.: 607-431-00-9 | 0.10  | Acute Tox. 3 (Inhalation), H331<br>Acute Tox. 4 (Oral), H302<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)                               |
| 1,3-butadiene; buta-1,3-diene<br>substance with national workplace exposure limit(s) (IE); substance with a Community workplace exposure limit                         | CAS-No.: 106-99-0<br>EC-No.: 203-450-8<br>EC Index-No.: 601-013-00-X   | < 0.1 | Flam. Gas 1A, H220<br>Press. Gas<br>Carc. 1A, H350<br>Muta. 1B, H340                                                                                           |

Product subject to CLP Annex I, item 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation   | : Remove victim to fresh air. Allow affected person to breathe fresh air. Allow the victim to rest.                               |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.                 |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.                         |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.                                                        |

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

|                  |                                                                                            |
|------------------|--------------------------------------------------------------------------------------------|
| Symptoms/effects | : Not expected to present a significant hazard under anticipated conditions of normal use. |
|------------------|--------------------------------------------------------------------------------------------|

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

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

|                                                  |                                                                                                                                                        |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide, nitrogen). |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|

### 5.3. Advice for firefighters

|                                |                                                                                                                                                                       |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.                                                                       |
| Other information              | : Do not allow run-off from fire fighting to enter drains or water courses.                                                                                           |

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### SECTION 6: Accidental release measures

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

##### For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.  
Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition - No smoking. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene measures : Do not eat, drink or smoke when using this product.

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

Storage conditions : Store in original container. Keep out of the reach of children. Store in a well-ventilated place. Keep cool. Keep away from food, drink and animal feeding stuffs. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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

Insecticide.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### National occupational exposure and biological limit values

##### 1,3-butadiene; buta-1,3-diene (106-99-0)

##### EU - Indicative Occupational Exposure Limit (IOEL)

|        |                              |
|--------|------------------------------|
| Remark | SCOEL Recommendations (2007) |
|--------|------------------------------|

##### EU - Binding Occupational Exposure Limit (BOEL)

|            |               |
|------------|---------------|
| Local name | 1,3-Butadiene |
|------------|---------------|

|          |                       |
|----------|-----------------------|
| BOEL TWA | 2.2 mg/m <sup>3</sup> |
|----------|-----------------------|

|  |       |
|--|-------|
|  | 1 ppm |
|--|-------|

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| 1,3-butadiene; buta-1,3-diene (106-99-0) |                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulatory reference                     | DIRECTIVE (EU) 2019/130 (amending Directive 2004/37/EC)                                                                                                                                                                                                                                                                                                                                               |
| Ireland - Occupational Exposure Limits   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Local name                               | 1,3-Butadiene                                                                                                                                                                                                                                                                                                                                                                                         |
| OEL TWA                                  | 2.2 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                 |
|                                          | 1 ppm                                                                                                                                                                                                                                                                                                                                                                                                 |
| Remark                                   | BOELV (Binding Occupational Exposure Limit Values), CMR (Carcinogens, Mutagens and Reprotoxic substances)                                                                                                                                                                                                                                                                                             |
| Regulatory reference                     | Chemical Agents Code of Practice 2026                                                                                                                                                                                                                                                                                                                                                                 |
| Ireland - Biological limit values        |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Local name                               | 1,3-Butadiene                                                                                                                                                                                                                                                                                                                                                                                         |
| BMGV                                     | 2.5 mg/l Parameter: 1,2 dihydroxy-4-(N-acetylcysteinyl)-butane - Medium: urine - Sampling time: End of shift, Not critical - Notations: B (Background), Sq (Semi-quantitative)<br>2.5 pmol/g hemoglobin Parameter: mixture of N-1 and N-2-(hydroxybutenyl) valine haemoglobin adducts - Medium: blood - Sampling time: End of shift, Not critical - Notations: B (Background), Sq (Semi-quantitative) |
| Regulatory reference                     | Biological Monitoring Guidelines (HSA, 2011)                                                                                                                                                                                                                                                                                                                                                          |

## 8.2. Exposure controls

### Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

### Eye and face protection

#### Eye protection:

None necessary during normal handling and use.

### Skin protection

#### Skin and body protection:

Not required for normal conditions of use

#### Hand protection:

None necessary during normal handling and use.

### Respiratory protection

#### Respiratory protection:

None necessary during normal handling and use.

### Thermal hazards

#### Thermal hazard protection:

Protect from heat and direct sunlight.

### Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|                |                   |
|----------------|-------------------|
| Physical state | : Liquid          |
| Colour         | : Colourless.     |
| Appearance     | : Clear Liquid.   |
| Odour          | : characteristic. |

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|                                                 |                                |
|-------------------------------------------------|--------------------------------|
| Odour threshold                                 | : Not available                |
| Melting point                                   | : Not available                |
| Freezing point                                  | : Not available                |
| Boiling point                                   | : Not available                |
| Flammability                                    | : Extremely flammable aerosol. |
| Lower explosion limit                           | : Not available                |
| Upper explosion limit                           | : Not available                |
| Flash point                                     | : Not applicable               |
| Auto-ignition temperature                       | : Not available                |
| Decomposition temperature                       | : Not available                |
| pH                                              | : Not available                |
| Viscosity, kinematic                            | : Not available                |
| Solubility                                      | : Not available                |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                |
| Vapour pressure                                 | : Not available                |
| Vapour pressure at 50°C                         | : Not available                |
| Density                                         | : Not available                |
| Relative density                                | : Not available                |
| Relative vapour density at 20°C                 | : Not available                |
| Particle characteristics                        | : Not applicable               |

### 9.2. Other information

#### Information with regard to physical hazard classes

% of flammable ingredients : 2.598 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable at normal handling and storage conditions.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

The product is stable at normal handling and storage conditions.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Nitrogen oxides. Fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Cyphenothrin (39515-40-7) |              |
|---------------------------|--------------|
| LD50 oral rat             | 318 mg/kg    |
| LD50 dermal rat           | > 2000 mg/kg |

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| Cyphenothrin (39515-40-7)                                                                                                                           |                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| LC50 Inhalation - Rat (Dust/Mist)                                                                                                                   | > 1.39 mg/l/4h                                                                                |
| ATE CLP (oral)                                                                                                                                      | 318 mg/kg bodyweight                                                                          |
| ATE CLP (dust,mist)                                                                                                                                 | 1.5 mg/l/4h                                                                                   |
| prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (23031-36-9) |                                                                                               |
| LD50 oral rat                                                                                                                                       | 417 mg/kg                                                                                     |
| LD50 dermal rat                                                                                                                                     | > 2000 mg/kg                                                                                  |
| LC50 Inhalation - Rat (Dust/Mist)                                                                                                                   | 0.658 mg/l/4h                                                                                 |
| ATE CLP (oral)                                                                                                                                      | 500 mg/kg bodyweight                                                                          |
| ATE CLP (gases)                                                                                                                                     | 700 ppmv/4h                                                                                   |
| ATE CLP (vapours)                                                                                                                                   | 3 mg/l/4h                                                                                     |
| ATE CLP (dust,mist)                                                                                                                                 | 0.5 mg/l/4h                                                                                   |
| Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics                                                                                           |                                                                                               |
| LD50 dermal rat                                                                                                                                     | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)    |
| LD50 dermal rabbit                                                                                                                                  | ≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| ATE CLP (oral)                                                                                                                                      | 5000 mg/kg bodyweight                                                                         |
| ATE CLP (dermal)                                                                                                                                    | 3160 mg/kg bodyweight                                                                         |
| ATE CLP (dust,mist)                                                                                                                                 | 5000 mg/m³                                                                                    |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics (246538-78-3)                                                                                      |                                                                                               |
| LD50 oral rat                                                                                                                                       | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)      |
| LD50 oral                                                                                                                                           | > 5000 mg/kg bodyweight Animal:                                                               |
| LD50 dermal rat                                                                                                                                     | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)    |
| LD50 dermal rabbit                                                                                                                                  | ≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| 1,3-butadiene; buta-1,3-diene (106-99-0)                                                                                                            |                                                                                               |
| LD50 oral rat                                                                                                                                       | 5480 mg/kg Source: ChemIDplus                                                                 |
| Skin corrosion/irritation                                                                                                                           | : Not classified                                                                              |
| Additional information                                                                                                                              | : Based on available data, the classification criteria are not met                            |
| Serious eye damage/irritation                                                                                                                       | : Not classified                                                                              |
| Additional information                                                                                                                              | : Based on available data, the classification criteria are not met                            |
| Respiratory or skin sensitisation                                                                                                                   | : Not classified                                                                              |
| Additional information                                                                                                                              | : Based on available data, the classification criteria are not met                            |
| Germ cell mutagenicity                                                                                                                              | : Not classified                                                                              |
| Additional information                                                                                                                              | : Based on available data, the classification criteria are not met                            |
| Carcinogenicity                                                                                                                                     | : Not classified                                                                              |
| Additional information                                                                                                                              | : Based on available data, the classification criteria are not met                            |
| 1,3-butadiene; buta-1,3-diene (106-99-0)                                                                                                            |                                                                                               |
| IARC group                                                                                                                                          | 1 - Carcinogenic to humans                                                                    |
| Reproductive toxicity                                                                                                                               | : Not classified                                                                              |
| Additional information                                                                                                                              | : Based on available data, the classification criteria are not met                            |

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|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| STOT-single exposure   | : Not classified                                                   |
| Additional information | : Based on available data, the classification criteria are not met |
| STOT-repeated exposure | : Not classified                                                   |
| Additional information | : Based on available data, the classification criteria are not met |

| Cyphenothrin (39515-40-7)                                      |                                                                                                                          |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| STOT-repeated exposure                                         | Causes damage to organs through prolonged or repeated exposure.                                                          |
| Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics      |                                                                                                                          |
| NOAEC (inhalation, rat, vapour, 90 days)                       | > 10.4 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)                |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics (246538-78-3) |                                                                                                                          |
| NOAEL (oral, rat, 90 days)                                     | > 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEC (inhalation, rat, vapour, 90 days)                       | > 10.4 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)                |

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| Aspiration hazard      | : Not classified                                                   |
| Additional information | : Based on available data, the classification criteria are not met |

| CLOTHES MOTH SPRAY KILLER                                      |                                                                      |
|----------------------------------------------------------------|----------------------------------------------------------------------|
| Vaporizer                                                      | Aerosol                                                              |
| Cyphenothrin (39515-40-7)                                      |                                                                      |
| Viscosity, kinematic                                           | 3782 mm²/s                                                           |
| Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics      |                                                                      |
| Viscosity, kinematic                                           | 3.21 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)' |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics (246538-78-3) |                                                                      |
| Viscosity, kinematic                                           | 1.77 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)' |

### 11.2. Information on other hazards

#### Endocrine disrupting properties

|                                                                  |                                       |
|------------------------------------------------------------------|---------------------------------------|
| Adverse health effects caused by endocrine disrupting properties | : No additional information available |
|------------------------------------------------------------------|---------------------------------------|

#### Other information

|                                                     |                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------|
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met |
|-----------------------------------------------------|--------------------------------------------------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                         |
|-----------------------------------------------------------|---------------------------------------------------------|
| Ecology - water                                           | : Very toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute)  | : Very toxic to aquatic life.                           |
| Hazardous to the aquatic environment, long-term (chronic) | : Very toxic to aquatic life with long lasting effects. |

| Cyphenothrin (39515-40-7) |               |
|---------------------------|---------------|
| LC50 - Fish [1]           | 0.00034 mg/l  |
| EC50 - Crustacea [1]      | 0.00043 mg/l  |
| EC50 72h - Algae [1]      | > 0.014 mg/l  |
| NOEC chronic fish         | 0.000054 mg/l |

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|                                                                                                                                                            |                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>Cyphenothrin (39515-40-7)</b>                                                                                                                           |                                                         |
| NOEC chronic crustacea                                                                                                                                     | 0.00001 – 0.0001 mg/l                                   |
| <b>prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (23031-36-9)</b> |                                                         |
| LC50 - Fish [1]                                                                                                                                            | 0.012 mg/l                                              |
| LC50 - Other aquatic organisms [2]                                                                                                                         | 2 mg/l                                                  |
| EC50 - Crustacea [1]                                                                                                                                       | 0.0062 mg/l                                             |
| EC50 72h - Algae [1]                                                                                                                                       | 4.5 mg/l                                                |
| ErC50 algae                                                                                                                                                | 4.5 mg/l                                                |
| NOEC chronic crustacea                                                                                                                                     | 0.0001 – 0.001 mg/l                                     |
| <b>Hydrocarbons, C12-C16, isoalkanes, cyclics, &lt;2% aromatics</b>                                                                                        |                                                         |
| LC50 - Fish [1]                                                                                                                                            | > 88444 mg/l                                            |
| <b>1,3-butadiene; buta-1,3-diene (106-99-0)</b>                                                                                                            |                                                         |
| LC50 - Fish [1]                                                                                                                                            | 45 mg/l Test organisms (species): Pimephales promelas   |
| LC50 - Fish [2]                                                                                                                                            | 41.5 mg/l Test organisms (species): other:              |
| EC50 - Crustacea [1]                                                                                                                                       | 33 mg/l Test organisms (species): Daphnia magna         |
| EC50 72h - Algae [1]                                                                                                                                       | 33 mg/l Test organisms (species): other:                |
| <b>12.2. Persistence and degradability</b>                                                                                                                 |                                                         |
| <b>CLOTHES MOTH SPRAY KILLER</b>                                                                                                                           |                                                         |
| Persistence and degradability                                                                                                                              | May cause long-term adverse effects in the environment. |
| <b>Cyphenothrin (39515-40-7)</b>                                                                                                                           |                                                         |
| Persistence and degradability                                                                                                                              | Not readily biodegradable.                              |
| <b>prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (23031-36-9)</b> |                                                         |
| Persistence and degradability                                                                                                                              | Rapidly degradable                                      |
| <b>Hydrocarbons, C12-C16, isoalkanes, cyclics, &lt;2% aromatics</b>                                                                                        |                                                         |
| Persistence and degradability                                                                                                                              | Rapidly degradable                                      |
| <b>Hydrocarbons, C11-C13, isoalkanes, &lt;2% aromatics (246538-78-3)</b>                                                                                   |                                                         |
| Persistence and degradability                                                                                                                              | Rapidly degradable                                      |
| <b>1,3-butadiene; buta-1,3-diene (106-99-0)</b>                                                                                                            |                                                         |
| Persistence and degradability                                                                                                                              | Rapidly degradable                                      |
| <b>12.3. Bioaccumulative potential</b>                                                                                                                     |                                                         |
| <b>CLOTHES MOTH SPRAY KILLER</b>                                                                                                                           |                                                         |
| Bioaccumulative potential                                                                                                                                  | Not established.                                        |
| <b>Cyphenothrin (39515-40-7)</b>                                                                                                                           |                                                         |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                            | ≥ 5.79 – ≤ 6.09                                         |

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### 1,3-butadiene; buta-1,3-diene (106-99-0)

Partition coefficient n-octanol/water (Log Pow)

1.99 Source: HSDB, CHemIDplus, IPCS

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII

prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (23031-36-9)

Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII

prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (23031-36-9)

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

#### CLOTHES MOTH SPRAY KILLER

Other information

Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations

: This product is for amateur use and can be disposed of as normal household waste. However, if used in a place of work, any product and empty container must be disposed of as controlled waste.

Ecological waste information

: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number or ID number

UN-No. (ADR)

: UN 1950

UN-No. (IMDG)

: UN 1950

UN-No. (IATA)

: UN 1950

UN-No. (ADN)

: UN 1950

UN-No. (RID)

: UN 1950

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)

: AEROSOLS

Proper Shipping Name (IMDG)

: AEROSOLS

Proper Shipping Name (IATA)

: Aerosols, flammable

Proper Shipping Name (ADN)

: AEROSOLS

Proper Shipping Name (RID)

: AEROSOLS

Transport document description (ADR) (ADR)

: UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG)

: UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA)

: UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN)

: UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

Transport document description (RID)

: UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

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### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 2.1  
Danger labels (ADR) : 2.1  
:



#### IMDG

Transport hazard class(es) (IMDG) : 2.1  
Danger labels (IMDG) : 2.1  
:



#### IATA

Transport hazard class(es) (IATA) : 2.1  
Danger labels (IATA) : 2.1  
:



#### ADN

Transport hazard class(es) (ADN) : 2.1  
Danger labels (ADN) : 2.1  
:



#### RID

Transport hazard class(es) (RID) : 2.1  
Danger labels (RID) : 2.1  
:



### 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable  
Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes  
EmS-No. (Fire) : F-D  
EmS-No. (Spillage) : S-U  
Other information : No supplementary information available

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### 14.6. Special precautions for user

#### Overland transport

|                                                                         |                      |
|-------------------------------------------------------------------------|----------------------|
| Classification code (ADR)                                               | : 5F                 |
| Special provisions (ADR)                                                | : 190, 327, 344, 625 |
| Limited quantities (ADR)                                                | : 1I                 |
| Excepted quantities (ADR)                                               | : E0                 |
| Packing instructions (ADR)                                              | : P207               |
| Special packing provisions (ADR)                                        | : PP87, RR6, L2      |
| Mixed packing provisions (ADR)                                          | : MP9                |
| Transport category (ADR)                                                | : 2                  |
| Special provisions for carriage - Packages (ADR)                        | : V14                |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV12          |
| Special provisions for carriage - Operation (ADR)                       | : S2                 |
| Tunnel restriction code (ADR)                                           | : D                  |

#### Transport by sea

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Special provisions (IMDG)         | : 63, 190, 277, 327, 344, 381, 959 |
| Limited quantities (IMDG)         | : SP277                            |
| Excepted quantities (IMDG)        | : E0                               |
| Packing instructions (IMDG)       | : P207, LP200                      |
| Special packing provisions (IMDG) | : PP87, L2                         |
| Stowage category (IMDG)           | : None                             |
| Stowage and handling (IMDG)       | : SW1, SW22                        |
| Segregation (IMDG)                | : SG69                             |

#### Air transport

|                                              |                    |
|----------------------------------------------|--------------------|
| PCA Excepted quantities (IATA)               | : E0               |
| PCA Limited quantities (IATA)                | : Y203             |
| PCA limited quantity max net quantity (IATA) | : 30kgG            |
| PCA packing instructions (IATA)              | : 203              |
| PCA max net quantity (IATA)                  | : 75kg             |
| CAO packing instructions (IATA)              | : 203              |
| CAO max net quantity (IATA)                  | : 150kg            |
| Special provisions (IATA)                    | : A145, A167, A802 |
| ERG code (IATA)                              | : 10L              |

#### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : 5F                 |
| Special provisions (ADN)          | : 190, 327, 344, 625 |
| Limited quantities (ADN)          | : 1 L                |
| Excepted quantities (ADN)         | : E0                 |
| Equipment required (ADN)          | : PP, EX, A          |
| Ventilation (ADN)                 | : VE01, VE04         |
| Number of blue cones/lights (ADN) | : 1                  |

#### Rail transport

|                                                                         |                      |
|-------------------------------------------------------------------------|----------------------|
| Classification code (RID)                                               | : 5F                 |
| Special provisions (RID)                                                | : 190, 327, 344, 625 |
| Limited quantities (RID)                                                | : 1L                 |
| Excepted quantities (RID)                                               | : E0                 |
| Packing instructions (RID)                                              | : P207, LP200        |
| Special packing provisions (RID)                                        | : PP87, RR6, L2      |
| Mixed packing provisions (RID)                                          | : MP9                |
| Transport category (RID)                                                | : 2                  |
| Special provisions for carriage – Packages (RID)                        | : W14                |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12          |
| Colis express (express parcels) (RID)                                   | : CE2                |
| Hazard identification number (RID)                                      | : 23                 |

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### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### EU-Regulations

##### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                                                                                                                                                                                                                        | Entry title or description                                                                                                                                                                                                                                                                                        |
| 3(a)                                   | CLOTHES MOTH SPRAY KILLER                                                                                                                                                                                                                                            | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F          |
| 3(b)                                   | Cyphenothrin ; prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate ; Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics ; Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c)                                   | CLOTHES MOTH SPRAY KILLER ; Cyphenothrin ; prallethrin (ISO); ETOC; 2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate                                                                                    | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1                                                                                                                                         |

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

##### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

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### Biocide Regulation (528/2012)

Contains substance(s) listed on the Biocidal Products list (Regulation EU 528/2012 concerning the making available on the market and use of biocidal products)

Type of product (Biocide) : 18 - Insecticides, acaricides and products to control other arthropods  
Authorisation number :  
Contains : Cyphenothrin (0.3 % (percentage)); prallethrin (0.1 % (percentage))

### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.  
Other information : None.

### Full text of H- and EUH-statements:

|                                     |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3                               |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4                  |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aerosol 1                           | Aerosol, Category 1                                               |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Carc. 1A                            | Carcinogenicity, Category 1A                                      |
| Flam. Gas 1A                        | Flammable gases, Category 1A                                      |
| Muta. 1B                            | Germ cell mutagenicity, Category 1B                               |
| Press. Gas                          | Gases under pressure                                              |
| STOT RE 1                           | Specific target organ toxicity – Repeated exposure, Category 1    |
| H220                                | Extremely flammable gas.                                          |
| H222                                | Extremely flammable aerosol.                                      |
| H229                                | Pressurised container: May burst if heated.                       |
| H302                                | Harmful if swallowed.                                             |
| H304                                | May be fatal if swallowed and enters airways.                     |
| H331                                | Toxic if inhaled.                                                 |
| H332                                | Harmful if inhaled.                                               |
| H340                                | May cause genetic defects.                                        |
| H350                                | May cause cancer.                                                 |

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| Full text of H- and EUH-statements: |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| H372                                | Causes damage to organs through prolonged or repeated exposure. |
| H400                                | Very toxic to aquatic life.                                     |
| H410                                | Very toxic to aquatic life with long lasting effects.           |
| EUH066                              | Repeated exposure may cause skin dryness or cracking.           |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |           |                       |
|---------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------|
| Aerosol 1                                                                                                                 | H222;H229 | On basis of test data |
| Aquatic Acute 1                                                                                                           | H400      | Calculation method    |
| Aquatic Chronic 1                                                                                                         | H410      | Calculation method    |

Safety Data Sheet (SDS), EU (RI)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

**Before using any product, ensure that you read and understand its label.**

The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other material(s) or any other use than that specified herein. Neither Rentokil Initial plc nor any of its subsidiaries accepts any liability for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.

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