SAFETY DATA SHEET

# Nope! Insect Fogger - Insecto Pro

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

### 1.1. Product identifier

**Trade name**

Nope! Insect Fogger - Insecto Pro

**Unique formula identifier (UFI)**

XMKT-3N6Y-000G-CUR8

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

**Relevant identified uses of the substance or mixture**

Biocide

**Use descriptors (UK REACH)**

| Product category | Description |
|---|---|
| PC 8 | Biocidal Products (e.g. Disinfectants, pest control) |

**EuPCS**

PP-BIO-18 / Insecticides, acaricides and products to control other arthropods (excluding equivalent products when used as pesticides)

**Uses advised against**

None known.

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

**Company and address**

**Safeguard Europe Ltd.**
Redkiln Close
Horsham
RH13 5QL West Sussex
United Kingdom
T: +44 (0)1403 210204
F: +44 (0)1403 217529
www.safeguardeurope.com

**E-mail**

info@safeguardeurope.com

**Revision**

29/10/2024

**SDS Version**

1.0

### 1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 112 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 “First aid measures”.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Aerosol 1; H222, H229, Extremely flammable aerosol. Pressurised container: May burst if heated.
Eye Irrit. 2; H319, Causes serious eye irritation.
STOT SE 3; H336, May cause drowsiness or dizziness.
STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.
Aquatic Acute 1; H400, Very toxic to aquatic life.
Aquatic Chronic 1; H410, Very toxic to aquatic life with long lasting effects.

## 2.2. Label elements

### Hazard pictogram(s)

### Signal word

Danger

### Hazard statement(s)

Extremely flammable aerosol. Pressurised container: May burst if heated. (H222, H229)
Causes serious eye irritation. (H319)
May cause drowsiness or dizziness. (H336)
May cause damage to organs through prolonged or repeated exposure. (H373)
Very toxic to aquatic life with long lasting effects. (H410)

### Precautionary statement(s)

#### General

Keep out of reach of children. (P102)

#### Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Do not spray on an open flame or other ignition source. (P211)
Do not pierce or burn, even after use. (P251)
Do not breathe vapour/mist. (P260)
Avoid release to the environment. (P273)

#### Response

Collect spillage. (P391)

#### Storage

Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F. (P410+P412)

#### Disposal

Dispose of contents/container in accordance with local regulation
(P501)

### Hazardous substances

propan-2-ol;isopropyl alcohol;isopropanol
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

### Additional labelling

EUH066, Repeated exposure may cause skin dryness or cracking.
EUH208, Contains Chrysanthemum cinerariaefolium, ext.. May produce an allergic reaction.

Active substance(s):
propan-2-ol;isopropyl alcohol;isopropanol (10 g/100g)
α-cyano-3-phenoxybenzyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (1 g/100g)
Chrysanthemum cinerariaefolium, ext. (0.99 g/100g)
imiprothrin (ISO); reaction mass of: [2,4-dioxo-(2-propyn-1-yl)imidazolidin-3-yl]methyl(1R)-cis-chrysanthemate; [2,4-dioxo-(2-propyn-1-yl)imidazolidin-3-yl]methyl(1R)-trans-chrysanthemate (0.99 g/100g)

UFI: XMKT-3N6Y-000G-CUR8

## 2.3. Other hazards

### Additional warnings

In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive.
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

# SECTION 3: Composition/information on ingredients

## 3.1. Substances

Not applicable. This product is a mixture.

## 3.2. Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|---|---|---|---|---|
| butane (containing ≥ 0,1 % butadiene (203-450-8));isobutane (containing ≥ | CAS No.: 106-97-8<br>EC No.: 203-448-7 | 25-50% | Flam. Gas 1A, H220<br>Press. Gas (Liq.) , H280 | |

| | | | | |
|---|---|---|---|---|
| 0,1 % butadiene (203-450-8)) | UK-REACH:<br>Index No.: 601-004-01-8 | | | |
| isobutane (containing ≥ 0,1 % butadiene (203-450-8));butane (containing ≥ 0,1 % butadiene (203-450-8)) | CAS No.: 75-28-5<br>EC No.: 200-857-2<br>UK-REACH:<br>Index No.: 601-004-01-8 | 10-25% | Flam. Gas 1A, H220<br>Press. Gas (Liq.) , H280 | |
| propan-2-ol;isopropyl alcohol;isopropanol | CAS No.: 67-63-0<br>EC No.: 200-661-7<br>UK-REACH:<br>Index No.: 603-117-00-0 | 2.5-10% | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 | |
| Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | CAS No.:<br>EC No.: 927-241-2<br>UK-REACH:<br>Index No.: | 2.5-10% | EUH066<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>Aquatic Chronic 3, H412 | |
| propane | CAS No.: 74-98-6<br>EC No.: 200-827-9<br>UK-REACH:<br>Index No.: 601-003-00-5 | 2.5-10% | Flam. Gas 1A, H220<br>Press. Gas (Liq.) , H280 | |
| (2-methoxymethylethoxy)propanol | CAS No.: 34590-94-8<br>EC No.: 252-104-2<br>UK-REACH:<br>Index No.: | 2.5-10% | | [1] |
| α-cyano-3-phenoxybenzyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate | CAS No.: 39515-40-7<br>EC No.: 254-484-5<br>UK-REACH:<br>Index No.: | <2.5% | Acute Tox. 4, H302<br>Acute Tox. 4, H332<br>STOT RE 1, H372<br>Aquatic Acute 1, H400 (M=1000)<br>Aquatic Chronic 1, H410 (M=1000) | |
| Chrysanthemum cinerariaefolium, ext. | CAS No.: 89997-63-7<br>EC No.: 289-699-3<br>UK-REACH:<br>Index No.: | <2.5% | Acute Tox. 4, H302<br>Skin Sens. 1B, H317<br>Acute Tox. 4, H332<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100) | |
| imiprothrin (ISO); reaction mass of: [2,4-dioxo-(2-propyn-1-yl)imidazolidin-3-yl]methyl(1R)-cis-chrysanthemate; [2,4-dioxo-(2-propyn-1-yl)imidazolidin-3-yl]methyl(1R)-trans-chrysanthemate | CAS No.: 72963-72-5<br>EC No.: 428-790-6<br>UK-REACH:<br>Index No.: 613-259-00-5 | <2.5% | Acute Tox. 4, H302 (ATE: 550.00 mg/kg)<br>Acute Tox. 4, H332<br>Carc. 2, H351<br>STOT SE 2, H371<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10) | |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

[1] European occupational exposure limit.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

IF EXPOSED: Call a POISON CENTRE or a doctor.

Inhalation
IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or a doctor.

Skin contact
IF ON SKIN: Take off all contaminated clothing and wash it before reuse. Wash skin with water. If skin irritation or rash occur: Get medical advice.

Eye contact
IF IN EYES: Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing for 5 minutes. Call a POISON CENTRE or a doctor.

Ingestion
IF SWALLOWED: Rinse mouth. If symptoms: Call 112/ambulance for medical assistance. If no symptoms: Call a POISON CENTRE or a doctor.

Burns
Rinse with water until pain stops then continue to rinse for 30 minutes.

### 4.2. Most important symptoms and effects, both acute and delayed
Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.
Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed
Call a POISON CENTER/doctor if you feel unwell.

### Information to medics
Initiate life support measures if needed, thereafter call a POISON CENTRE.
Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture
Extremely flammable aerosol. Pressurised container. In a fire or if heated, a pressure increase will occur and the container may burst.
In use may form flammable/explosive vapour-air mixture.
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

### 5.3. Advice for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.
Hazchem Code: None

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures
Accidental releases always pose a serious risk of fire or explosion.
Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapours from spilled material.
Contaminated areas may be slippery.

### 6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

### 6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
The product should be tested for peroxides before distillation or evaporation and tested for peroxide formation or discarded after 1 year.
Avoid direct contact with the product.
Peroxide formation may be present anywhere in the container, including the sides, bottom, exterior and threaded cap. Peroxide formation in ppm concentrations may not be visually observable and must be identified through the use of appropriate testing procedures. If any of the following conditions exist, the material may be explosively unstable and will require stabilization prior to use:
1. Material appears to be degraded and or contaminated.
2. Material appears to be discolored.
3. Deterioration or distortion of storage container.
4. Thermal shock (sunlight).
5. Age of material exceeds recommended storage time.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.
Pressurized gas packs (spray cans, aerosol cans) must be stored behind a wire mesh, which allows gases to escape and holds back packs flying around.

#### Recommended storage material

Keep only in original packaging.

#### Storage conditions

Dry, cool and well ventilated
Keep container tightly closed
Keep out of the reach of children
Store out of direct sunlight
Store away from heat
< 50°C

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

butane (containing ≥ 0,1 % butadiene (203-450-8));isobutane (containing ≥ 0,1 % butadiene (203-450-8))
Long term exposure limit (8 hours) (ppm): 600
Long term exposure limit (8 hours) (mg/m³): 1450
Short term exposure limit (15 minutes) (ppm): 750
Short term exposure limit (15 minutes) (mg/m³): 1810
Annotations:
Carc1 = Capable of causing cancer and/or heritable genetic damage if it contains more than 0.1% of buta-1,3-diene.

propan-2-ol;isopropyl alcohol;isopropanol
Long term exposure limit (8 hours) (ppm): 400
Long term exposure limit (8 hours) (mg/m³): 999
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m³): 1250

(2-methoxymethylethoxy)propanol
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m³): 308
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

(2-methoxymethylethoxy)propanol

| Duration: | Route of exposure: | DNEL: |
|---|---|---|
| Long term – Systemic effects - General population | Dermal | 121 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 283 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 37.2 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 308 mg/m³ |
| Long term – Systemic effects - General population | Oral | 36 mg/kg bw/day |

propan-2-ol;isopropyl alcohol;isopropanol

| Duration: | Route of exposure: | DNEL: |
|---|---|---|
| Long term – Systemic effects - General population | Dermal | 319 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 888 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 89 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 500 mg/m³ |
| Short term – Systemic effects - General population | Inhalation | 178 mg/m³ |
| Short term – Systemic effects - Workers | Inhalation | 1000 mg/m³ |
| Long term – Systemic effects - General population | Oral | 26 mg/kg bw/day |
| Short term – Systemic effects - General population | Oral | 51 mg/kg bw/day |

PNEC

(2-methoxymethylethoxy)propanol

| Route of exposure: | Duration of Exposure: | PNEC: |
|---|---|---|
| Freshwater | | 19 mg/L |
| Freshwater sediment | | 70.2 mg/kg |
| Intermittent release (freshwater) | | 190 mg/L |
| Marine water | | 1.9 mg/L |
| Marine water sediment | | 7.02 mg/kg |
| Sewage treatment plant | | 4.168 g/L |
| Soil | | 2.74 mg/kg |

propan-2-ol;isopropyl alcohol;isopropanol

| Route of exposure: | Duration of Exposure: | PNEC: |
|---|---|---|
| Freshwater | | 140.9 mg/L |
| Freshwater sediment | | 552 mg/kg |
| Intermittent release (freshwater) | | 140.9 mg/L |
| Marine water | | 140.9 mg/L |
| Marine water sediment | | 552 mg/kg |
| Predators | | 160 mg/kg |
| Sewage treatment plant | | 2.251 g/L |
| Soil | | 28 mg/kg |

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

## Individual protection measures, such as personal protective equipment

### Generally

Use only UKCA marked protective equipment.

### Respiratory Equipment

| Work situation | Type | Class | Colour | Standards | |
|---|---|---|---|---|---|
| | Respiratory protection is not needed in the event of adequate ventilation. | | | | |
| In case of inadequate ventilation | A | Class 3 (High capacity) | Brown | EN14387 |  |
| In case of inadequate ventilation | R | P3 | White | EN143 |  |

### Skin protection

| Recommended | Type/Category | Standards | |
|---|---|---|---|
| Dedicated work clothing should be worn. | - | - |  |

### Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards | |
|---|---|---|---|---|
| Polyvinyl alcohol (PVA) | - | > 480 | EN374-2, EN374-3, EN388 |  |
| Nitrile | 0,2 | > 480 | EN374-2, EN374-3, EN388 |  |

### Eye protection

| Work situation | Type | Standards | |
|---|---|---|---|
| | Safety glasses with side shields. | EN166 |  |

| Work situation | Type | Standards |
|---|---|---|
| In the event of high danger | Face shield | EN166 |

## SECTION 9: Physical and chemical properties

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

**Physical state**
Liquid

**Colour**
No relevant or available data due to the nature of the product.

**Odour / Odour threshold**
No relevant or available data due to the nature of the product.

**pH**
No relevant or available data due to the nature of the product.

**Density (g/cm$^3$)**
1

**Kinematic viscosity**
7 (40 °C)

**Particle characteristics**
Does not apply to liquids.

**Phase changes**

**Melting point/Freezing point (°C)**
No relevant or available data due to the nature of the product.

**Softening point/range (°C)**
Does not apply to liquids.

**Boiling point (°C)**
No relevant or available data due to the nature of the product.

**Vapour pressure**
No relevant or available data due to the nature of the product.

**Relative vapour density**
No relevant or available data due to the nature of the product.

**Decomposition temperature (°C)**
No relevant or available data due to the nature of the product.

**Data on fire and explosion hazards**

**Flash point (°C)**
No relevant or available data due to the nature of the product.

**Flammability (°C)**
The material is ignitable.

**Auto-ignition temperature (°C)**
No relevant or available data due to the nature of the product.

**Lower and upper explosion limit (% v/v)**
No relevant or available data due to the nature of the product.

**Solubility**

**Solubility in water**
No relevant or available data due to the nature of the product.

**n-octanol/water coefficient (LogKow)**
No relevant or available data due to the nature of the product.

**Solubility in fat (g/L)**
No relevant or available data due to the nature of the product.

### 9.2. Other information

**Oxidizing properties**
No relevant or available data due to the nature of the product.

**Other physical and chemical parameters**
No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity
No data available.

### 10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

### 10.3. Possibility of hazardous reactions
None known.

### 10.4. Conditions to avoid
Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.
Mechanical influences (e.g. Shock, pressure, impact, friction). Fire, sparks or other ignition sources.
Heat

### 10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 5840 mg/kg bw/day |

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Species: | Rat |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | 13900 mg/kg bw/day |

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | 25 mg/l/4h |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 401 |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | >5000 mg/kg bw/day |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 402 |
| Species: | Rat |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >5000 mg/kg bw/day |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | 5000 |

| | |
|---|---|
| Product/substance | (2-methoxymethylethoxy)propanol |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |

| | |
|---|---|
| Result: | 8740 mg/kg bw/day |

| | |
|---|---|
| Product/substance | (2-methoxymethylethoxy)propanol |
| Species: | Rabbit |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | 9510 mg/kg bw/day |

| | |
|---|---|
| Product/substance | (2-methoxymethylethoxy)propanol |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 (dust) |
| Result: | 3404.47 mg/l/4h |

| | |
|---|---|
| Product/substance | α-cyano-3-phenoxybenzyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | <318 mg/kg bw |

| | |
|---|---|
| Product/substance | α-cyano-3-phenoxybenzyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate |
| Species: | Rat |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >2000 mg/kg bw |

| | |
|---|---|
| Product/substance | α-cyano-3-phenoxybenzyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 (dust) |
| Result: | >1.39 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 1030 mg/kg |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Rabbit |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >2000 mg/kg bw |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 (4 hours) |
| Result: | 2.4 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Rat |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >1500 mg/kg |

| | |
|---|---|
| Product/substance | imiprothrin (ISO); reaction mass of: [2,4-dioxo-(2-propyn-1-yl)imidazolidin-3-yl]methyl(1R)-cis-chrysanthemate; [2,4-dioxo-(2-propyn-1-yl)imidazolidin-3-yl]methyl(1R)-trans-chrysanthemate |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 550 ng/kg bw/day |

| | |
|---|---|
| Product/substance | imiprothrin (ISO); reaction mass of: [2,4-dioxo-(2-propyn-1-yl)imidazolidin-3-yl]methyl(1R)-cis-chrysanthemate; [2,4-dioxo-(2-propyn-1-yl)imidazolidin-3-yl]methyl(1R)-trans-chrysanthemate |
| Route of exposure: | Inhalation |

| | |
|---|---|
| Test: | LC50 (dust) |
| Result: | 1.4 mg/L |

### Skin corrosion/irritation
Based on available data, the classification criteria are not met.

### Serious eye damage/irritation
Causes serious eye irritation.

### Respiratory sensitisation
Based on available data, the classification criteria are not met.

### Skin sensitisation
This product contains substances that may trigger an allergic reaction in already sensitized persons.

### Germ cell mutagenicity

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 471 |
| Conclusion: | No adverse effect observed |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 474 |
| Conclusion: | No adverse effect observed |

### Carcinogenicity
Based on available data, the classification criteria are not met.

### Reproductive toxicity
Based on available data, the classification criteria are not met.

### STOT-single exposure
May cause drowsiness or dizziness.

### STOT-repeated exposure
May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard
Based on available data, the classification criteria are not met.

### 11.2. Information on other hazards

### Long term effects
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

### Endocrine disrupting properties
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

### Other information
propan-2-ol;isopropyl alcohol;isopropanol has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. Toxicity

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Species: | Fish, Pimephales promelas |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | >9640 mg/L |

| | |
|---|---|
| Product/substance | propan-2-ol;isopropyl alcohol;isopropanol |
| Species: | Crustacean, Daphnia magna |
| Duration: | 24 hours |
| Test: | EC50 |
| Result: | >10000 mg/L |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Species: | Fish, Oncorhynchus mykiss |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | >10 mg/L |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Species: | Crustacean, Daphnia magna |

| | |
|---|---|
| Duration: | 48 hours |
| Test: | EC50 |
| Result: | >22 mg/L |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Species: | Algae, Pseudokirchneriella subcapitata |
| Duration: | 72 hours |
| Test: | ErC50 |
| Result: | >1000 mg/L |

| | |
|---|---|
| Product/substance | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Species: | Algae, Pseudokirchneriella subcapitata |
| Duration: | 72 hours |
| Test: | NOEC |
| Result: | <1 mg/L |

| | |
|---|---|
| Product/substance | (2-methoxymethylethoxy)propanol |
| Species: | Fish, Pimephales promelas |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | 10000 mg/L |

| | |
|---|---|
| Product/substance | (2-methoxymethylethoxy)propanol |
| Species: | Crustacean, Daphnia magna |
| Duration: | 48 hours |
| Test: | EC50 |
| Result: | 1919 mg/L |

| | |
|---|---|
| Product/substance | (2-methoxymethylethoxy)propanol |
| Species: | Crustacean, Daphnia magna |
| Test: | NOEC |
| Result: | 0.5 mg/L |

| | |
|---|---|
| Product/substance | α-cyano-3-phenoxybenzyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate |
| Species: | Fish |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | 0.00034 mg/L |

| | |
|---|---|
| Product/substance | α-cyano-3-phenoxybenzyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate |
| Species: | Crustacean, Daphnia magna |
| Duration: | 48 hours |
| Test: | EC50 |
| Result: | 0.00043 mg/L |

| | |
|---|---|
| Product/substance | α-cyano-3-phenoxybenzyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate |
| Species: | Algae |
| Duration: | 96 hours |
| Test: | ErC50 |
| Result: | 0.0014 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Fish, Oncorhynchus mykiss |
| Test: | LC50 |
| Result: | 0.0052 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Crustacean, Daphnia magna |
| Test: | LC50 |
| Result: | 0.012 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Algae, Desmodesmus subspicatus |
| Duration: | 72 hours |
| Test: | EC50 |

| | |
|---|---|
| Result: | 0.23 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Daphnia, Daphnia magna |
| Test: | NOEC |
| Result: | 0.00086 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Fish, Pimephales promelas |
| Test: | NOEC |
| Result: | 0.0019 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Algae, Desmodesmus subspicatus |
| Test: | NOEC |
| Result: | 0.23 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Crustacean, Hyalella azteca |
| Test: | LC50 |
| Result: | 0.00092 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Crustacean, Americamysis bahia |
| Test: | NOEC |
| Result: | 0.0003 mg/L |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Species: | Aquatic Plant |
| Duration: | 96 hours |
| Test: | ErC50 |
| Result: | 0.0014 mg/L |

Very toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

Based on available data, the classification criteria are not met.

### 12.3. Bioaccumulative potential

| | |
|---|---|
| Product/substance | (2-methoxymethylethoxy)propanol |
| BCF: | 1 |
| Conclusion: | - |

| | |
|---|---|
| Product/substance | Chrysanthemum cinerariaefolium, ext. |
| Compartment: | Fish |
| BCF: | 500 Lepomis macrochirus |
| LogKow: | > 4 |
| Conclusion: | - |

### 12.4. Mobility in soil

propan-2-ol;isopropyl alcohol;isopropanol
LogKoc = 0.05, High mobility potential.
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
LogKoc = 4, Low mobility potential.
α-cyano-3-phenoxybenzyl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate
LogKoc = 5.94, Low mobility potential.
Chrysanthemum cinerariaefolium, ext.
LogKoc = 4.54, Low mobility potential.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
HP 3 - Flammable
HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 14 – Ecotoxic
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

### EWC code

02 01 08* Agrochemical waste containing dangerous substances
14 06 Waste organic solvents, refrigerants and foam/aerosol propellants

### Specific labelling

### Contaminated packing

#### EWC code

15 01 10* Packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|---|---|---|---|---|---|---|
| ADR | UN1950 | AEROSOLS | Transport hazard class: 2<br>Label: 2.1<br>Classification code: 5F<br>  | - | Yes | Limited quantities: 1 L<br>Tunnel restriction code: (D)<br>See below for additional information. |
| IMDG | UN1950 | AEROSOLS | Transport hazard class: 2<br>Label: 2.1<br>Classification code: 5F<br>  | - | Yes | Limited quantities: 1 L<br>EmS: F-D S-U<br>See below for additional information. |
| IATA | UN1950 | AEROSOLS | Transport hazard class: 2<br>Label: 2.1<br>Classification code: 5F<br>  | - | Yes | See below for additional information. |

* Packing group

** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods.
ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.
Hazchem Code: None

### 14.6. Special precautions for user

Not applicable.

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

No data available.

## SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances

P3a - FLAMMABLE AEROSOLS, Qualifying quantity (lower-tier): 150 tonnes (net) / (upper-tier): 500 tonnes (net)
E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

Biocidal Products Regulations

Product type: PT18 - Insecticides, acaricides and products to control other arthropod

Restrictions on use

-

Directions for use and dose rate

-

Additional information

-

UK-REACH, Annex XVII

butane (containing ≥ 0,1 % butadiene (203-450-8));isobutane (containing ≥ 0,1 % butadiene (203-450-8)) is subject to UK-REACH restrictions (entry 40).
isobutane (containing ≥ 0,1 % butadiene (203-450-8));butane (containing ≥ 0,1 % butadiene (203-450-8)) is subject to UK-REACH restrictions (entry 40).
propan-2-ol;isopropyl alcohol;isopropanol is subject to UK-REACH restrictions (entry 40).
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics is subject to UK-REACH restrictions (entry 40).
propane is subject to UK-REACH restrictions (entry 40).

Additional information

Tactile warning.

Sources

The Management of Health and Safety at Work Regulations 1999.
The Health and Safety at Work etc. Act 1974 Regulations 2013.
Control of Major Accident Hazards (COMAH) Regulations 2015.
In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.
H220, Extremely flammable gas.
H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H280, Contains gas under pressure; may explode if heated.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H351, Suspected of causing cancer.
H371, May cause damage to organs.
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.
H412, Harmful to aquatic life with long lasting effects.

### The full text of identified uses as mentioned in section 1

PC 8 = Biocidal Products (e.g. Disinfectants, pest control)

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the mixture in regard to physical hazards has been based on experimental data.

### The safety data sheet is validated by

1008

### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en