



DXB-AD-140-2161

رقم التسجيل :

قطاع شؤون البيئة

14-05-2018

التاريخ :

إدارة الكيماويات

شهادة تسجيل

مبيد صفة عامة (محري)

تشهد وزارة التغير المناخي والبيئة بأن مبيد صفة عامة (محري) بالمواصفات التالية :

الاسم التجاري للمبيد : RESET 10

بلد التسجيل : إيطاليا

المواد الفعالة و تركيزها : CYPERMETHRIN 100MG/ML

صورة المستحضر : 52315-07-8 :CAS RN

حجم العبوة : Concentrated Water Based Microemulsion

بلد الانتاج و الشركة المنتجة : 1 لتر

الشركة المحلية المستوردة : REA S.R.L - إيطاليا

تاريخ إصدار الشهادة : الفافيت لتجارة الادوية البيطرية

ملاحظات : تاريخ إصدار الشهادة : 14-05-2018

صالحة حتى : 09-05-2022

لا يوجد

وجد مطابقا لنظام تسجيل المبيدات المتبع لديها وقد أعطيت له هذه الشهادة بناء على ذلك.

ملاحظات :

يعاد تقييم المبيد كل خمس سنوات حتى يتم تجديد هذه الشهادة بعد ذلك.
تلغى هذه الشهادة في حالة شطب أو سحب المبيد من قبل المنظمات والهيئات العالمية المختصة في تسجيل المبيد أو ثبت للوزارة تدهور المبيد أثناء فترة صلاحيته تحت الظروف البيئية للنولة أو ثبت أن لديه آثار جانبية ضارة

سددت الرسوم 3003 درهم

رقم إيصال الشهادة : 180025199202

مدير إدارة الكيماويات

تاريخ إيصال الشهادة : 31-03-2018



DXB-AD-140-2161



RESET 10

REA srl

Version No: 1.1
Safety Data Sheet (Conforms to Regulation (EU) No 2015/830)

Chemwatch Hazard Alert Code: 1

Issue Date: 14/03/2019
Print Date: 14/03/2019
S.REACH.ITA.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product Identifier

| | |
|-------------------------------|---|
| Product name | RESET 10 |
| Synonyms | Not Available |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Other means of identification | Not Available |

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

| | |
|--------------------------|---|
| Relevant identified uses | Insetticida-acaricida concentrato in microemulsione acquosa, ad azione abbattente e residuale a base di Cipermetrina per il controllo di insetti volanti e striscianti (Reg. Min. della Salute n° 20286). |
| Uses advised against | Not Applicable |

1.3. Details of the supplier of the safety data sheet

| | |
|-------------------------|---|
| Registered company name | REA srl |
| Address | S.S. 87, Km 20.700 - 81025 Marcianise (CE) Italia Italy |
| Telephone | 0823 821210 0823 821331 |
| Fax | 0823 821552 |
| Website | www.rea.it |
| Email | info@rea.it |

1.4. Emergency telephone number

| | |
|-----------------------------------|---|
| Association / Organisation | Centro Antiveneni - Ospedale Cardarelli |
| Emergency telephone numbers | 081 5453333 |
| Other emergency telephone numbers | Not Available |

SECTION 2 HAZARDS IDENTIFICATION

2.1.

Classification of the substance or mixture

| | |
|---|--|
| Classification according to regulation (EC) No 1272/2008 [CLP] ^[1] | H410 - Chronic Aquatic Hazard Category 1 |
| Legend: | 1. Classified by Chemwatch; 2. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI |

2.2. Label elements

| | |
|---------------------|--|
| Hazard pictogram(s) | |
|---------------------|--|

SIGNAL WORD **WARNING**

Hazard statement(s)

| | |
|------|---|
| H410 | Very toxic to aquatic life with long lasting effects. |
|------|---|

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

Continued...

| | |
|------|-----------------------------------|
| P273 | Avoid release to the environment. |
|------|-----------------------------------|

Precautionary statement(s) Response

| | |
|------|-------------------|
| P391 | Collect spillage. |
|------|-------------------|

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

| | |
|------|---|
| P501 | Dispose of contents/container in accordance with local regulations. |
|------|---|

2.3. Other hazards

REACH - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**3.1. Substances**

See 'Composition on ingredients' in Section 3.2

3.2. Mixtures

| 1.CAS No 2.EC No 3.Index No 4.REACH No | %[weight] | Name | Classification according to regulation (EC) No 1272/2008 [CLP] |
|--|---|---------------------|---|
| 1.52315-07-8 2.257-842-9 3.607-421-00-4 607-433-00- X 607-422-00-X 4.Not Available | 10 | <u>cypermethrin</u> | Acute Toxicity (Inhalation) Category 4, Acute Toxicity (Oral) Category 4, Chronic Aquatic Hazard Category 1, Acute Aquatic Hazard Category 1, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation); H332, H302, H410, H400, H335 ^[2] |
| Legend: | 1. Classified by Chemwatch; 2. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 3. Classification drawn from C&L; * EU IOELVs available | | |

SECTION 4 FIRST AID MEASURES**4.1. Description of first aid measures**

| | |
|---------------------|--|
| Eye Contact | <p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> ▶ Wash out immediately with fresh running water. ▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. ▶ Seek medical attention without delay; if pain persists or recurs seek medical attention. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| Skin Contact | <p>If skin or hair contact occurs:</p> <ul style="list-style-type: none"> ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation. |
| Inhalation | <ul style="list-style-type: none"> ▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area. ▶ Other measures are usually unnecessary. |
| Ingestion | <ul style="list-style-type: none"> ▶ If swallowed do NOT induce vomiting. ▶ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. ▶ Observe the patient carefully. ▶ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. ▶ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. ▶ Seek medical advice. |

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

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

For chronic or short term repeated exposures to pyrethrum and synthetic pyrethroids:

- ▶ Mammalian toxicity of pyrethrum and synthetic pyrethroids is low, in part because of poor bioavailability and a large first pass extraction by the liver.
- ▶ The most common adverse reaction results from the potent sensitising effects of pyrethrins.
- ▶ Clinical manifestations of exposure include contact dermatitis (erythema, vesiculation, bullae); anaphylactoid reactions (pallor, tachycardia, diaphoresis) and asthma. [Ellenhorn Barceloux]
- ▶ In cases of skin contact, it has been reported that topical application of Vitamin E Acetate (alpha-tocopherol acetate) has been found to have high therapeutic value, eliminating almost all skin pain associated with exposure to synthetic pyrethroids. [Incitec]

SECTION 5 FIREFIGHTING MEASURES**5.1. Extinguishing media**

- ▶ There is no restriction on the type of extinguisher which may be used.
- ▶ Use extinguishing media suitable for surrounding area.

5.2. Special hazards arising from the substrate or mixture

| | |
|-----------------------------|-------------|
| Fire Incompatibility | None known. |
|-----------------------------|-------------|

5.3. Advice for firefighters

| | |
|------------------------------|--|
| Fire Fighting | <ul style="list-style-type: none"> Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. |
| Fire/Explosion Hazard | <ul style="list-style-type: none"> Non combustible. Not considered a significant fire risk, however containers may burn. May emit poisonous fumes. |

SECTION 6 ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

See section 8

6.2. Environmental precautions

See section 12

6.3. Methods and material for containment and cleaning up

| | |
|---------------------|--|
| Minor Spills | Environmental hazard - contain spillage. <ul style="list-style-type: none"> Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. |
| Major Spills | <ul style="list-style-type: none"> Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Environmental hazard - contain spillage. |

6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE**7.1. Precautions for safe handling**

| | |
|--------------------------------------|---|
| Safe handling | <ul style="list-style-type: none"> Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. |
| Fire and explosion protection | See section 5 |
| Other information | <ul style="list-style-type: none"> Store in original containers. Keep containers securely sealed. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--------------------------------|---|
| Suitable container | <ul style="list-style-type: none"> Lined metal can, lined metal pail/ can. Plastic pail. For low viscosity materials <ul style="list-style-type: none"> Drums and jerricans must be of the non-removable head type. Where a can is to be used as an inner package, the can must have a screwed enclosure. |
| Storage incompatibility | Pyrethrins and permethrins: <ul style="list-style-type: none"> are unstable in the presence of light, heat, moisture and air are hydrolysed by oxygen and/ or sunlight may react with strong oxidisers to produce fire and explosions are incompatible with alkalis None known |

7.3. Specific end use(s)

See section 1.2

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. Control parameters****DERIVED NO EFFECT LEVEL (DNEL)**

Not Available

PREDICTED NO EFFECT LEVEL (PNEC)

Not Available

OCCUPATIONAL EXPOSURE LIMITS (OEL)**INGREDIENT DATA**


| Source | Ingredient | Material name | TWA | STEL | Peak | Notes |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Not Available | Not Available | Not Available | Not Available | Not Available | Not Available | Not Available |

EMERGENCY LIMITS

| Ingredient | Material name | TEEL-1 | TEEL-2 | TEEL-3 |
|------------|---------------|---------------|---------------|---------------|
| RESET 10 | Not Available | Not Available | Not Available | Not Available |

| Ingredient | Original IDLH | Revised IDLH |
|--------------|---------------|---------------|
| cypermethrin | Not Available | Not Available |

8.2. Exposure controls

| | |
|--|--|
| 8.2.1. Appropriate engineering controls | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. |
| 8.2.2. Personal protection |  |
| Eye and face protection | <ul style="list-style-type: none"> ▶ Safety glasses with side shields ▶ Chemical goggles. ▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. |
| Skin protection | See Hand protection below |
| Hands/feet protection | <p>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <ul style="list-style-type: none"> ▶ Wear chemical protective gloves, e.g. PVC. ▶ Wear safety footwear or safety gumboots, e.g. Rubber |
| Body protection | See Other protection below |
| Other protection | <ul style="list-style-type: none"> ▶ Overalls. ▶ Eyewash unit. |

Respiratory protection

Particulate. (AS/NZS 1716 & 1715, EN 143:2000 & 149:001, ANSI Z88 or national equivalent)

Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

| Required minimum protection factor | Maximum gas/vapour concentration present in air p.p.m. (by volume) | Half-face Respirator | Full-Face Respirator |
|------------------------------------|--|----------------------|----------------------|
| up to 10 | 1000 | -AUS / Class1 P2 | - |
| up to 50 | 1000 | - | -AUS / Class 1 P2 |
| up to 50 | 5000 | Airline * | - |
| up to 100 | 5000 | - | -2 P2 |
| up to 100 | 10000 | - | -3 P2 |
| 100+ | | | Airline** |

* - Continuous Flow ** - Continuous-flow or positive pressure demand

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO₂), G = Agricultural chemicals, K = Ammonia(NH₃), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

8.2.3. Environmental exposure controls

See section 12

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | | | |
|---|---------------|--|---------------|
| Appearance | Not Available | | |
| Physical state | Liquid | Relative density (Water = 1) | Not Available |
| Odour | Not Available | Partition coefficient n-octanol / water | Not Available |
| Odour threshold | Not Available | Auto-ignition temperature (°C) | Not Available |
| pH (as supplied) | Not Available | Decomposition temperature | Not Available |
| Melting point / freezing point (°C) | Not Available | Viscosity (cSt) | Not Available |
| Initial boiling point and boiling range (°C) | Not Available | Molecular weight (g/mol) | Not Available |
| Flash point (°C) | Not Available | Taste | Not Available |
| Evaporation rate | Not Available | Explosive properties | Not Available |
| Flammability | Not Available | Oxidising properties | Not Available |
| Upper Explosive Limit (%) | Not Available | Surface Tension (dyn/cm or mN/m) | Not Available |
| Lower Explosive Limit (%) | Not Available | Volatile Component (%vol) | Not Available |
| Vapour pressure (kPa) | Not Available | Gas group | Not Available |
| Solubility in water | Miscible | pH as a solution (1%) | Not Available |
| Vapour density (Air = 1) | Not Available | VOC g/L | Not Available |

9.2. Other information

Not Available

SECTION 10 STABILITY AND REACTIVITY

| | |
|--|--|
| 10.1.Reactivity | See section 7.2 |
| 10.2. Chemical stability | <ul style="list-style-type: none"> ▶ Unstable in the presence of incompatible materials. ▶ Product is considered stable. |
| 10.3. Possibility of hazardous reactions | See section 7.2 |
| 10.4. Conditions to avoid | See section 7.2 |
| 10.5. Incompatible materials | See section 7.2 |
| 10.6. Hazardous decomposition products | See section 5.3 |

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

| | |
|--------------|---|
| Inhaled | <p>The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation (as classified by EC Directives using animal models). Nevertheless, adverse systemic effects have been produced following exposure of animals by at least one other route and good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.</p> <p>Short-term inhalation exposure did not result in mortality or clinical signs.</p> <p>Inhalation of pyrethrins may produce nausea, vomiting, sneezing, serious discharge from the nose, blocked nose and asthma. High concentrations may produce excessive excitement, inco-ordination, tremors, muscle paralysis and death (due to failure of breathing).</p> <p>This material, like natural pyrethrins, may cause central stimulation with nausea, vomiting, stomach upset, diarrhoea, hypersensitivity, inco-ordination, tremors, muscle paralysis, convulsion, coma and respiratory failure. Type II compounds cause a "Type II syndrome" characterized by irregular jerky movements, increased saliva production without tears, upper abdominal pain, nausea and vomiting, headache, dizziness, loss of appetite, tiredness, chest tightness, blurred vision, "pins and needles", palpitations, coarse muscle jerks in limbs and altered consciousness.</p> |
| Ingestion | <p>Accidental ingestion of the material may be damaging to the health of the individual.</p> <p>Exposure to cypermethrin may produce convulsions, unconsciousness and possible death. Short-term exposure may be harmless.</p> <p>Ingestion of pyrethrins may produce nausea, vomiting, headache, muscle tremors, shock and perhaps death. Its fatal human dose is estimated at 100 grams per 70 kg man (1430 mg/kg).</p> |
| Skin Contact | <p>The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.</p> <p>Occupational skin exposure to cypermethrin causes mild skin irritation. Single topical applications did not cause mortality or signs of intoxication.</p> <p>Skin contact with natural pyrethrins may cause severe inflammation, hayfever and asthma. If they are absorbed through the skin, the same toxic effects as inhalation can occur; the liver and kidney may be damaged.</p> <p>Alpha-substituted synthetic pyrethroids can cause "pins and needles" of the skin with a stinging or burning sensation sometimes progressing to tingling and numbness. Tears, sensitivity to light and swelling of the eyes can occur on direct contact.</p> <p>Open cuts, abraded or irritated skin should not be exposed to this material</p> <p>Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.</p> |
| Eye | <p>Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).</p> |
| Chronic | <p>Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.</p> <p>Long-term testing does not indicate any cancer-causing potential for cypermethrin.</p> <p>Chronic poisoning by natural pyrethrins may result in convulsion, paralysis with extreme muscle tone, rapid and uneven heart beat, liver and kidney damage, or death. Natural pyrethrins may cause hypersensitivity especially if past exposure has occurred.</p> <p>There has been some concern that this material can cause cancer or mutations but there is not enough data to make an assessment.</p> |

| | | |
|--------------|---|--------------------------------|
| RESET 10 | TOXICITY | IRRITATION |
| | Not Available | Not Available |
| cypermethrin | TOXICITY | IRRITATION |
| | dermal (rat) LD50: >1600 mg/kg ^[2] | Eye (rabbit): mild* |
| | Inhalation (rat) LC50: 2.5 mg/l/4h ^[2] | Skin (rabbit): non irritating* |
| | Oral (rat) LD50: 57 mg/kg ^[2] | |

Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. * Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

| | |
|-------------------------|--|
| CYPERMETHRIN | <p>The following information refers to contact allergens as a group and may not be specific to this product.</p> <p>Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema.</p> <p>Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound.</p> <p>No significant acute toxicological data identified in literature search.</p> <p>Exposure to the material for prolonged periods may cause physical defects in the developing embryo (teratogenesis).</p> <p>NOTE: Substance has been shown to be mutagenic in at least one assay, or belongs to a family of chemicals producing damage or change to cellular DNA.</p> <p>ADI: 0.05 mg/kg/day NOEL: 4.7 mg/kg/day cellular and humoral immune response, proteinuria, hypoglycaemia, cutaneous sensitisation, delayed hypersensitivity, tumours, effects on newborn, effects on embryo/ foetus, paternal effects, specific developmental abnormalities (urogenital system, blood and lymphatic systems, immune and reticuloendothelial system) recorded. Tumourigenic/ neoplastic by RTECS criteria (facilitates the action of a known carcinogen)</p> |
| RESET 10 & CYPERMETHRIN | <p>Skin contact with cypermethrin causes tingling, itching, and burning sensation. Oral intake may result in nausea, vomiting, stomach pains, diarrhoea, loss of bladder control, inco-ordination, seizures, coma and death.</p> |

| | | | |
|-----------------------------------|---|--------------------------|---|
| Acute Toxicity | ✗ | Carcinogenicity | ✗ |
| Skin Irritation/Corrosion | ✗ | Reproductivity | ✗ |
| Serious Eye Damage/Irritation | ✗ | STOT - Single Exposure | ✗ |
| Respiratory or Skin sensitisation | ✗ | STOT - Repeated Exposure | ✗ |
| Mutagenicity | ✗ | Aspiration Hazard | ✗ |

Legend: ✗ – Data either not available or does not fill the criteria for classification
 ✓ – Data available to make classification

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

| RESET 10 | ENDPOINT | TEST DURATION (HR) | SPECIES | VALUE | SOURCE |
|----------|---------------|--------------------|---------------|---------------|---------------|
| | Not Available | Not Available | Not Available | Not Available | Not Available |

| cypermethrin | ENDPOINT | TEST DURATION (HR) | SPECIES | VALUE | SOURCE |
|--------------|----------|--------------------|-------------------------------|--------------|--------|
| | LC50 | 96 | Fish | 0.00023mg/L | 4 |
| | EC50 | 48 | Crustacea | 0.000007mg/L | 4 |
| | EC50 | 96 | Algae or other aquatic plants | 0.026mg/L | 3 |
| | BCF | 24 | Algae or other aquatic plants | 0.05mg/L | 4 |
| | NOEC | 120 | Fish | 0.000001mg/L | 4 |

Legend: Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters.

For cypermethrin:

Environmental Fate: Cypermethrin has a moderate persistence in soils. Under laboratory conditions, it degrades more rapidly on sandy clay and sandy loam soils than on clay soils, and more rapidly in soils low in organic matter.

Substances containing unsaturated carbons are ubiquitous in indoor environments. They result from many sources (see below).

DO NOT discharge into sewer or waterways.

12.2. Persistence and degradability

| Ingredient | Persistence: Water/Soil | Persistence: Air |
|--------------|-------------------------|------------------|
| cypermethrin | HIGH | HIGH |

12.3. Bioaccumulative potential

| Ingredient | Bioaccumulation |
|--------------|------------------------|
| cypermethrin | HIGH (LogKOW = 6.3752) |

12.4. Mobility in soil

| Ingredient | Mobility |
|--------------|--------------------|
| cypermethrin | LOW (KOC = 108000) |

12.5. Results of PBT and vPvB assessment

| | P | B | T |
|-------------------------|----------------|----------------|----------------|
| Relevant available data | Not Applicable | Not Applicable | Not Applicable |
| PBT Criteria fulfilled? | Not Applicable | Not Applicable | Not Applicable |

12.6. Other adverse effects

No data available



SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

| | |
|------------------------------|--|
| Product / Packaging disposal | Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. ▶ DO NOT allow wash water from cleaning or process equipment to enter drains. ▶ It may be necessary to collect all wash water for treatment before disposal. |
| Waste treatment options | Not Available |
| Sewage disposal options | Not Available |

SECTION 14 TRANSPORT INFORMATION

Labels Required

| | |
|------------------|---|
| |  |
| Marine Pollutant |  |

Land transport (ADR)

| | |
|------------------------------------|---|
| 14.1. UN number | 3082 |
| 14.2. UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| 14.3. Transport hazard class(es) | Class : 9 Subrisk : Not Applicable |
| 14.4. Packing group | III |
| 14.5. Environmental hazard | Environmentally hazardous |
| 14.6. Special precautions for user | Hazard identification (Kemler) : 90 Classification code : M6 Hazard Label : 9 Special provisions : 274 335 375 601 Limited quantity : 5 L |

Air transport (ICAO-IATA / DGR)

| | |
|------------------------------------|--|
| 14.1. UN number | 3082 |
| 14.2. UN proper shipping name | Environmentally hazardous substance, liquid, n.o.s. * |
| 14.3. Transport hazard class(es) | ICAO/IATA Class : 9 ICAO / IATA Subrisk : Not Applicable ERG Code : 9L |
| 14.4. Packing group | III |
| 14.5. Environmental hazard | Environmentally hazardous |
| 14.6. Special precautions for user | Special provisions : A97 A158 A197 Cargo Only Packing Instructions : 964 Cargo Only Maximum Qty / Pack : 450 L Passenger and Cargo Packing Instructions : 964 Passenger and Cargo Maximum Qty / Pack : 450 L Passenger and Cargo Limited Quantity Packing Instructions : Y964 Passenger and Cargo Limited Maximum Qty / Pack : 30 kg G |

Sea transport (IMDG-Code / GGVSee)

| | |
|------------------------------------|--|
| 14.1. UN number | 3082 |
| 14.2. UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| 14.3. Transport hazard class(es) | IMDG Class : 9 IMDG Subrisk : Not Applicable |
| 14.4. Packing group | III |
| 14.5. Environmental hazard | Marine Pollutant |
| 14.6. Special precautions for user | EMS Number : F-A , S-F Special provisions : 274 335 969 Limited Quantities : 5 L |

Inland waterways transport (ADN)

| | |
|-------------------------------|---|
| 14.1. UN number | 3082 |
| 14.2. UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |

| | |
|------------------------------------|---|
| 14.3. Transport hazard class(es) | 9 Not Applicable |
| 14.4. Packing group | III |
| 14.5. Environmental hazard | Environmentally hazardous |
| 14.6. Special precautions for user | Classification code M6 |
| | Special provisions 274; 335; 375; 601 |
| | Limited quantity 5 L |
| | Equipment required PP |
| | Fire cones number 0 |

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

SECTION 15 REGULATORY INFORMATION**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture****CYPERMETHRIN(52315-07-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

| | |
|---|---|
| ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways | European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances - updated by ATP: 31 |
| Europe EC Inventory | European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI |
| Europe European Agreement concerning the International Carriage of Dangerous Goods by Road - ADR 2017 (Russian) | European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI - Chemwatch Standard Format |
| European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2011, Norwegian) | European Union (EU) Transport of Dangerous Goods by Road - Dangerous Goods List (English) |
| European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2011, Portuguese) | European Union (EU) Transport of Dangerous Goods by Road - Dangerous Goods List (French) |
| European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2011, Spanish) | European Union (EU) Transport of Dangerous Goods by Road - Dangerous Goods List (German) |
| European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2015, German) | International Air Transport Association (IATA) Dangerous Goods Regulations |
| European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2017, English) | International Maritime Dangerous Goods Requirements (IMDG Code) |
| European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2019, French) | Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2019 (English) |
| European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR-S 2019, Swedish) | United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (Chinese) |
| European Chemical Agency (ECHA) Classification & Labelling Inventory - Chemwatch Harmonised classification | United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (English) |
| European Customs Inventory of Chemical Substances ECICS (English) | United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (Spanish) |
| European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English) | |

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2015/830; Regulation (EC) No 1272/2008 as updated through ATPs.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

National Inventory Status

| National Inventory | Status |
|-------------------------------|---|
| Australia - AICS | Yes |
| Canada - DSL | No (cypermethrin) |
| Canada - NDSL | No (cypermethrin) |
| China - IECSC | Yes |
| Europe - EINEC / ELINCS / NLP | Yes |
| Japan - ENCS | No (cypermethrin) |
| Korea - KECI | Yes |
| New Zealand - NZIoC | Yes |
| Philippines - PICCS | Yes |
| USA - TSCA | No (cypermethrin) |
| Legend: | Yes = All ingredients are on the inventory No = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

SECTION 16 OTHER INFORMATION

| | |
|---------------|------------|
| Revision Date | 14/03/2019 |
| Initial Date | 25/06/2018 |

Full text Risk and Hazard codes

| | |
|-------------|-----------------------------------|
| H302 | Harmful if swallowed. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |

Other information

Ingredients with multiple cas numbers

| Name | CAS No |
|--------------|---|
| cypermethrin | 52315-07-8, 69865-47-0, 86752-99-0, 86753-92-6, 88161-75-5, 97955-44-7, 137497-61-1, 139203-31-9, 142443-95-6, 146909-55-9, 186554-45-0, 67375-30-8, 65731-84-2, 71697-59-1 |

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection

EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average

PC—STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit.

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index

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