

| Version 6.0 | Revision Date: 06.07.2024 | | S Number: 04526-00019 | Date of last issue: 06.04.2024 Date of first issue: 09.01.2017 | | |
|----------------|---------------------------------|-------------|------------------------------------|---|--|--|
| SECTION | SECTION 1. IDENTIFICATION | | | | | |
| Prod | Product name | | Pirimiphos-Meth | yl / Lambda-Cyhalothrin Formulation | | |
| | ufacturer or supplier's pany | s deta : | ils MSD | | | |
| Addr | ess | : | | , 6th floor, Ciudad Autonoma rgentina C1013AAP | | |
| Tele | ohone | : | 908-740-4000 | | | |
| Eme | Emergency telephone | | 1-908-423-6000 | | | |
| E-ma | ail address | : | EHSDATASTEV | VARD@msd.com | | |
| Reco | ommended use of the | chem | ical and restriction | ons on use | | |
| | ommended use rictions on use | : | Veterinary produ Not applicable | ict | | |

SECTION 2. HAZARDS IDENTIFICATION

| GHS Classification | | |
|--|---|-------------------------------------|
| Acute toxicity (Oral) | : | Category 4 |
| Acute toxicity (Inhalation) | : | Category 3 |
| Acute toxicity (Dermal) | : | Category 5 |
| Skin corrosion/irritation | : | Category 2 |
| Serious eye damage/eye irritation | : | Category 2B |
| Specific target organ toxicity - single exposure | : | Category 1 (Central nervous system) |
| Specific target organ toxicity - single exposure | : | Category 2 (Nervous system) |
| Short-term (acute) aquatic hazard | : | Category 1 |
| Long-term (chronic) aquatic hazard | : | Category 1 |

GHS label elements



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| Haza | rd pictograms | | |
| Signa | al Word | : Danger | |
| Haza | rd Statements | H315 + H320 (H331 Toxic if i H370 Causes H371 May cau | harmful in contact with skin. Causes skin and eye irritation. |
| Precautionary Statements | | P264 Wash sk P270 Do not e P271 Use only P273 Avoid rel | reathe dust/ fume/ gas/ mist/ vapors/ spray. in thoroughly after handling. at, drink or smoke when using this product. outdoors or in a well-ventilated area. ease to the environment. otective gloves. |
| | | Response: | |
| | | P301 + P312 + CENTER/ doci P302 + P352 I P304 + P340 + and keep comi doctor. P305 + P351 + for several min easy to do. Co P308 + P311 I CENTER/ doci P332 + P313 I tion. P337 + P313 I tention. | F exposed or concerned: Call a POISON for. f skin irritation occurs: Get medical advice/ att f eye irritation persists: Get medical advice/ at ake off contaminated clothing and wash it be |
| | | Storage: P405 Store loc | ked up. |
| | | Disposal: | |
| | | - | of contents/ container to an approved waste |

Other hazards which do not result in classification None known.



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

| Chemical name | CAS-No. | Concentration (% w/w) |
|--------------------------|------------|-----------------------|
| Polyvinyl chloride | 9002-86-2 | >= 70 -< 90 |
| Pirimiphos-methyl (ISO) | 29232-93-7 | >= 10 -< 20 |
| lambda-cyhalothrin (ISO) | 91465-08-6 | >= 5 -< 10 |
| Titanium dioxide | 13463-67-7 | >= 0,1 -< 1 |

SECTION 4. FIRST AID MEASURES

| General advice | : | In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical |
|---|---|--|
| If inhaled | : | advice. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| In case of skin contact | : | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. |
| In case of eye contact | : | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention. |
| If swallowed | : | If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. |
| Most important symptoms and effects, both acute and delayed | : | Harmful if swallowed. May be harmful in contact with skin. Causes skin and eye irritation. Toxic if inhaled. Causes damage to organs. |
| Protection of first-aiders | : | First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8). |
| Notes to physician | : | Treat symptomatically and supportively. |

SECTION 5. FIRE-FIGHTING MEASURES

| Suitable extinguishing media | : | Water spray Alcohol-resistant foam Carbon dioxide (CO2) |
|------------------------------|---|---|
| | | Dry chemical |
| Unsuitable extinguishing | : | None known. |



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| S fi H | media Specific hazards during fire : fighting Hazardous combustion prod- : ucts | | : | Exposure to comb Carbon oxides Nitrogen oxides (N Chlorine compour Fluorine compoun | nds |
| | Specific ods | extinguishing meth- | : | cumstances and t Use water spray to | measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do |
| | | protective equipment fighters | : | In the event of fire Use personal prot | wear self-contained breathing apparatus. ective equipment. |
| SECT | ION 6. | ACCIDENTAL RELE | ASI | EMEASURES | |
| ti | ve equ | al precautions, protec- lipment and emer- procedures | : | | ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8). |
| E | Environ | mental precautions | : | Retain and dispos | akage or spillage if safe to do so. e of contaminated wash water. should be advised if significant spillages |
| | | s and materials for ment and cleaning up | : | over the area to m Add excess liquid Soak up with inert Clean up remainin absorbent. Local or national m disposal of this ma employed in the c determine which m Sections 13 and 1 | a absorbents and place a damp covering ninimize entry of the material into the air. to allow the material to enter into solution. absorbent material. og materials from spill with suitable egulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to egulations are applicable. 5 of this SDS provide information regarding tional requirements. |

SECTION 7. HANDLING AND STORAGE

| Technical measures | : | See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. |
|-------------------------|---|---|
| Local/Total ventilation | : | If sufficient ventilation is unavailable, use with local exhaust ventilation. |
| Advice on safe handling | : | Do not get on skin or clothing. Do not breathe dust, fume, gas, mist, vapors or spray. Do not swallow. Do not get in eyes. |



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| | | Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment. | | | | |
| Conditions for safe storage | | Keep in properly labeled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. | | | | |
| Materials to avoid | | : Do not store with Strong oxidizing | the following product types: agents stances and mixtures | | | |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Components | CAS-No. | Value type | Control parame- | Basis |
|--------------------------|---|-------------|----------------------------|--------------|
| | | (Form of | ters / Permissible | |
| | | exposure) | concentration | |
| Polyvinyl chloride | 9002-86-2 | TWA | 1 mg/m ³ | ACGIH |
| | | (Respirable | | |
| | | particulate | | |
| | | matter) | | |
| Pirimiphos-methyl (ISO) | 29232-93-7 | TWA | 60 µg/m3 (OEB 3) | Internal |
| | Further inform | ation: Skin | | |
| | | Wipe limit | 600 µg/100 cm ² | Internal |
| lambda-cyhalothrin (ISO) | 91465-08-6 | TWA | 5 µg/m3 (OEB 4) | Internal |
| | Further inform | ation: Skin | | |
| | | Wipe limit | 50 µg/100 cm ² | Internal |
| Titanium dioxide | 13463-67-7 | CMP | 10 mg/m ³ | AR OEL |
| | Further information: A4 - Not classifiable as a human | | | n carcinogen |

Ingredients with workplace control parameters

Engineering measures : All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling.

Personal protective equipment

| Respiratory protection | : | If adequate local exhaust ventilation is not available or |
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| | | exposure assessment demonstrates exposures outside the |



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| Filter type Hand protection | | recommended guidelines, use respiratory protection. : Particulates type | | | | |
| Ma | aterial | : Chemical-resistant gloves | | | | |
| Remarks Eye protection | | Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols. | | | | |
| Skin a | and body protection | : Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing. | | | | |
| Hygie | ne measures | If exposure to chemical is likely during typical use, eye flushing systems and safety showers close to working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. The effective operation of a facility should include engineering controls, proper personal protective e appropriate degowning and decontamination proc industrial hygiene monitoring, medical surveillance use of administrative controls. | the review of quipment, edures, | | | |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| Appearance | : | solid |
|---|---|---|
| Color | : | No data available |
| Odor | : | characteristic |
| Odor Threshold | : | No data available |
| рН | : | No data available |
| Melting point/freezing point | : | No data available |
| Initial boiling point and boiling range | : | No data available |
| Flash point | : | Not applicable |
| Evaporation rate | : | No data available |
| Flammability (solid, gas) | : | Not classified as a flammability hazard |
| Flammability (liquids) | : | No data available |



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| | | explosion limit / Upper bility limit | : | No data available | 9 |
| | | explosion limit / Lower bility limit | : | No data available | 9 |
| | Vapor p | oressure | : | No data available | 9 |
| | Relative | e vapor density | : | No data available | 9 |
| | Relative | e density | : | No data available | 2 |
| | Density | , | : | No data available | 2 |
| | Solubili Wat | ty(ies) er solubility | : | insoluble | |
| | Partitio octanol | n coefficient: n- | : | No data available | 9 |
| | | nition temperature | : | No data available |) |
| | Decom | position temperature | : | No data available |) |
| | Viscosi Visc | ty cosity, kinematic | : | No data available | 9 |
| | Explosi | ve properties | : | Not explosive | |
| | Oxidiziı | ng properties | : | The substance o | r mixture is not classified as oxidizing. |
| | Molecu | lar weight | : | No data available | 9 |
| | Particle Particle | e characteristics e size | : | No data available | 3 |

SECTION 10. STABILITY AND REACTIVITY

| Reactivity Chemical stability Possibility of hazardous reac- tions | : | Not classified as a reactivity hazard. Stable under normal conditions. Can react with strong oxidizing agents. |
|--|----|--|
| Conditions to avoid Incompatible materials Hazardous decomposition products | :: | None known. Oxidizing agents No hazardous decomposition products are known. |

SECTION 11. TOXICOLOGICAL INFORMATION

| Information on likely routes of | : | Skin contact |
|---------------------------------|---|--------------|
| exposure | | Ingestion |



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| | | | Eye contact | |
| Harmf May b | e toxicity ful if swallowed. he harmful in contact with if inhaled. | n sk | in. | |
| <u>Produ</u> | <u>ict:</u> | | | |
| Acute | oral toxicity | : | Acute toxicity estine Method: Calculation | mate: 654,55 mg/kg on method |
| Acute | inhalation toxicity | : | Acute toxicity estin Exposure time: 4 Test atmosphere: Method: Calculation | dust/mist |
| Acute | dermal toxicity | : | Acute toxicity estine Method: Calculation | |
| <u>Comp</u> | oonents: | | | |
| Pirimi | iphos-methyl (ISO): | | | |
| Acute | oral toxicity | : | LD50 (Rat): 1.180 |) mg/kg |
| | | | LD50 (Rat): 2.400 |) - 5.976 mg/kg |
| | | | LD50 (Mouse): > | 575 mg/kg |
| | | | LD50 (Dog): > 1.5 | 500 mg/kg |
| Acute | inhalation toxicity | : | LC50 (Rat): > 5,04 Exposure time: 4 | |
| Acute | dermal toxicity | : | LD50 (Rabbit): 2.0 | 000 mg/kg |
| | | | LD50 (Rat): > 4.59 | 92 mg/kg |
| lambo | da-cyhalothrin (ISO): | | | |
| Acute | oral toxicity | : | LD50 (Rat): 56 - 7 | ′9 mg/kg |
| | | | LD50 (Mouse): 20 |) mg/kg |
| Acute | inhalation toxicity | : | LC50 (Rat): 0,06 Exposure time: 4 Test atmosphere: | h |
| Acute | dermal toxicity | : | LD50 (Rat): 632 - | 696 mg/kg |
| | toxicity (other routes of istration) | : | LD50 (Rat): 250 - Application Route | |

Titanium dioxide:



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| Acute | oral toxicity | : | LD50 (Rat): > 5.0 |)00 mg/kg |
| Acute | inhalation toxicity | : | LC50 (Rat): > 6,8 Exposure time: 4 Test atmosphere Assessment: The tion toxicity | h |
| Skin o | corrosion/irritation | | | |
| | es skin irritation. | | | |
| <u>Comp</u> | onents: | | | |
| | phos-methyl (ISO): | | | |
| Specie Result | | : | Rabbit irritating | |
| ixesui | L. | • | intating | |
| lambo | la-cyhalothrin (ISO): | | | |
| Specie | | : | Rabbit | |
| Result | [| · | No skin irritation | |
| Titani | um dioxide: | | | |
| Specie Result | | : | Rabbit No skin irritation | |
| Serio | us eye damage/eye irr | itati | ion | |
| Cause | es eye irritation. | | | |
| <u>Comp</u> | onents: | | | |
| | phos-methyl (ISO): | | | |
| Specie Result | es • | : | Rabbit Mild over irritation | |
| Kesui | L | • | Mild eye irritation | |
| lambo | la-cyhalothrin (ISO): | | | |
| Specie | | : | Rabbit | |
| Result | t | : | Mild eye irritation | |
| Titani | um dioxide: | | | |
| Specie | es | : | Rabbit | |
| Result | t | : | No eye irritation | |
| Respi | ratory or skin sensitiz | zatic | on | |
| Skin s | sensitization | | | |
| | assified based on availa | able | information. | |
| Respi | ratory sensitization | | | |
| | assified based on availa | able | information. | |



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| Com | oonents: | | | |
| Test | es of exposure es | : Der : Gui | kimization Te mal nea pig a skin sensit | |
| | da-cyhalothrin (ISO) - | | | |
| Test Route Speci Resul | es of exposure es | : Der : Gui | gnusson-Klig mal nea pig a skin sensil | |
| Titan | ium dioxide: | | | |
| Test Route Speci Resul | es of exposure es | : Skir : Mou | n contact | e assay (LLNA) |
| Not cl | cell mutagenicity assified based on ava conents: | ilable infor | mation. | |
| | iphos-methyl (ISO): toxicity in vitro | | t Type: Bacte sult: equivoca | erial reverse mutation assay (AMES) I |
| | | | t Type: sister sult: positive | chromatid exchange assay |
| Geno | toxicity in vivo | Spe | t Type: Micro ecies: Mouse sult: negative | onucleus test |
| | | Spe | t Type: Rode ecies: Mouse sult: negative | ent dominant lethal test (germ cell) (in vivo) |
| lambo | da-cyhalothrin (ISO) | : | | |
| Geno | toxicity in vitro | | t Type: Bacte sult: negative | erial reverse mutation assay (AMES) |
| | | Tes | | mosomal aberration man lymphocytes |
| | | Tes | t Type: unsc t system: rat sult: negative | neduled DNA synthesis assay hepatocytes |
| | | | | |



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| Geno | toxicity in vivo | Test syste Result: neg : Test Type: Species: M Cell type: I | Micronucleus test Iouse Bone marrow n Route: Intraperitoneal |
| II Titani | ium dioxide: | | |
| Geno | toxicity in vitro | : Test Type: Result: neg | Bacterial reverse mutation assay (AMES) gative |
| Geno | toxicity in vivo | : Test Type: Species: M Result: neg | |
| Not cl <u>Comp</u> | nogenicity assified based on avail ponents: | able information | |
| Speci Applic | cation Route sure time | : Rat : Oral : 2 Years : negative | |
| | cation Route sure time | : Mouse : Oral : 80 weeks : negative | |
| Carcir ment | nogenicity - Assess- | : Animal tes | ting did not show any carcinogenic effects. |
| Speci Applic Expos Resul Rema Speci Applic | cation Route sure time t urks es cation Route sure time t | : Rat : oral (feed) : 2 Years : negative | data from similar materials data from similar materials |



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| Speci Applio | cation Route sure time od It | | Rat inhalation (dust/m 2 Years OECD Test Guide positive The mechanism of mans. | | | |
| Carci ment | nogenicity - Assess- | : | Limited evidence of carcinogenicity in inhalation studies with animals. | | | |
| Not c | oductive toxicity lassified based on availa ponents: | able | information. | | | |
| | iphos-methyl (ISO): ts on fertility | : | Test Type: Two-g Species: Rat | eneration reproduction toxicity study | | |
| | | | Application Route | 15,4 mg/kg body weight | | |
| Effect | ts on fetal development | : | Result: No effects | | | |
| | | | Result: No effects | | | |
| lamb | da-cyhalothrin (ISO): | | | | | |
| | ts on fertility | : | General Toxicity I Symptoms: Redu Result: No effects | : oral (feed) Parent: NOAEL: 2 mg/kg body weight F1: LOAEL: 6,7 mg/kg body weight ced offspring weight gain. | | |
| Effect | ts on fetal development | : | Test Type: Develor Species: Rat Application Route General Toxicity I | | | |



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| | | | Result: No effects body weight gain | oxicity: LOAEL: 15 mg/kg body weight s on fetal development., Reduced maternal ., Reduced fetal weight. on data from similar materials | | | |
| | Test Type: Development Species: Rabbit Application Route: Oral General Toxicity Maternal: NOAEL: 10 mg/kg body w Developmental Toxicity: NOAEL: 30 mg/kg body we Result: No effects on fetal development., Reduced n body weight gain., Reduced fetal weight. Remarks: Based on data from similar materials | | | | | | |
| Caus May o | F-single exposure es damage to organs (C cause damage to organs ponents: | | |). | | | |
| | hiphos-methyl (ISO): | | | | | | |
| Targe | et Organs ssment | : | Central nervous s Causes damage | | | | |
| lamh | da-cyhalothrin (ISO): | | | | | | |
| Targe | et Organs ssment | : | Nervous system Causes damage | to organs. | | | |
| | F-repeated exposure lassified based on availa | oblo | information | | | | |
| | ponents: | able | information. | | | | |
| | hiphos-methyl (ISO): | | | | | | |
| Rema | | : | Not classified due | e to inconclusive data. | | | |
| Repe | eated dose toxicity | | | | | | |
| Com | ponents: | | | | | | |
| | hiphos-methyl (ISO): | | | | | | |
| Spec | ies | : | Rat | | | | |
| NOA LOAE | | : | 0,5 mg/kg 2,5 mg/kg | | | | |
| Appli | cation Route | : | Oral | | | | |
| Expo Targe | sure time et Organs | : | 28 d Central nervous s | system | | | |
| Symp | otoms | : | cholinesterase in | | | | |
| Spec | ies | : | Dog | | | | |
| LÕAE | EL cation Route | : | 2 mg/kg Oral | | | | |
| | | • | | | | | |
| | | | 10/00 | | | | |



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| | ure time Organs oms | : 13 Weeks : Central nervous : cholinesterase i | |
| Expos | L ation Route ure time Organs oms | Rat 25 mg/kg Oral 90 d Central nervous cholinesterase i No significant a | |
| Expos | - ation Route ure time Organs | : Dog : 0,5 mg/kg : Oral : 2 y : Central nervous : cholinesterase i | |
| Expos | - ation Route ure time Organs | : Rat : 2,1 mg/kg : Oral : 2 y : Central nervous : cholinesterase i | |
| Specie NOAE LOAEI Applica | L - ation Route ure time | : Dog : 2,5 mg/kg : 12,5 mg/kg : oral (feed) : 90 d : reduced body w | reight gain, reduced food consumption |
| Expos | L | : Rat : 10 mg/kg : 50 mg/kg : Dermal : 21 d : Nervous system | 1 |
| Expos | L | : Rat : 0,08 mg/kg : 0,9 mg/kg : Inhalation : 21 d : Nervous system | 1 |
| | L | : Dog : 0,1 mg/kg : 0,5 mg/kg : Oral : 1 y | |



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| Target Organs Symptoms | | : | Nervous system Gastrointestinal disturbance, Vomiting, Convulsions, ataxia, Liver effects | | | |
| Titani | ium dioxide: | | | | | |
| | | : | Rat 24.000 mg/kg Ingestion 28 Days | | | |
| NOAE Applic | Species NOAEL Application Route Exposure time | | Rat 10 mg/m ³ inhalation (dust/mist/fume) 2 y | | | |
| Aspiration toxicity Not classified based on availa | | | | | | |
| Expe | rience with human ex | posi | ıre | | | |
| <u>Comp</u> | oonents: | | | | | |
| Pirim | iphos-methyl (ISO): | | | | | |
| Ingest | tion | : | | ea, Vomiting, Dizziness, confusion, Head- stomach discomfort, Blurred vision, muscle | | |
| lambo | da-cyhalothrin (ISO): | | | | | |
| Inhala Skin o | ation contact | : | Symptoms: Skin tion, Local irritation | h, Local irritation, sneezing irritation, tingling, superficial burning sensa- on e absorbed through skin. | | |
| | Eye contact:Symptoms: Eye irritationIngestion:Symptoms: Gastrointestinal disturbance | | | rritation | | |
| SECTION | SECTION 12. ECOLOGICAL INFORMATION | | | | | |

Ecotoxicity

Components:

Pirimiphos-methyl (ISO):

| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 0,2 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 |
|---|---|--|
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 0,00021 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 |
| Toxicity to algae/aquatic plants | : | EC50 (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l Exposure time: 72 h |



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| I | | | Method: OECD Te | est Guideline 201 |
| | ctor (Acute aquatic tox- | : | 1.000 | |
| icity) Toxicity to fish (Chronic tox- icity) | | : | NOEC (Pimephale Exposure time: 35 Method: OECD Te | |
| | ity to daphnia and other ic invertebrates (Chron- icity) | : | NOEC (Daphnia magna (Water flea)): 0,00011 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 | |
| M-Fac toxicit | ctor (Chronic aquatic y) | : | 100 | |
| lambo | da-cyhalothrin (ISO): | | | |
| Toxic | ity to fish | : | Exposure time: 96 Method: OECD Te | |
| | | | Exposure time: 96 Method: OECD Te | |
| | ity to daphnia and other ic invertebrates | : | Exposure time: 48 Method: OECD Te | |
| | ctor (Acute aquatic tox- | : | 10.000 | |
| icity) Toxici icity) | ity to fish (Chronic tox- | : | mg/l Exposure time: 32 Method: OECD To | |
| | ity to daphnia and other ic invertebrates (Chron- icity) | : | Exposure time: 21 Method: OECD Te | |
| M-Fac toxicit | ctor (Chronic aquatic y) | : | 10.000 | |
| Titan | ium dioxide: | | | |
| Toxic | ity to fish | : | LC50 (Oncorhync Exposure time: 96 Method: OECD To | |
| | ity to daphnia and other ic invertebrates | : | EC50 (Daphnia m Exposure time: 48 | agna (Water flea)): > 100 mg/l 3 h |



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|----------------|---|------|---|---|--|
| Toxic plant | city to algae/aquatic s | : | EC50 (Skeletone Exposure time: 7 | ma costatum (marine diatom)): > 10.000 mg/l 2 h | |
| Τοχία | Toxicity to microorganisms | | EC50: > 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 | | |
| Pers | istence and degradabi | lity | | | |
| <u>Com</u> | ponents: | | | | |
| | niphos-methyl (ISO): ility in water | : | Hydrolysis: 50 % | (117 d) | |
| Bioa | ccumulative potential | | | | |
| <u>Com</u> | ponents: | | | | |
| Partit | niphos-methyl (ISO): tion coefficient: n- nol/water | : | log Pow: 4,2 | | |
| lamb | oda-cyhalothrin (ISO): | | | | |
| Bioad | ccumulation | : | | factor (BCF): 2.240 Test Guideline 305 | |
| | tion coefficient: n- nol/water | : | log Pow: 7,0 (20 | °C) | |
| Mobi | ility in soil | | | | |
| <u>Com</u> | ponents: | | | | |
| Distri | oda-cyhalothrin (ISO): ibution among environ- al compartments | : | log Koc: 5,5 | | |
| | er adverse effects | | | | |

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

| Disposal methods | |
|------------------------|---|
| Waste from residues | : Do not dispose of waste into sewer. |
| | Dispose of in accordance with local regulations. |
| Contaminated packaging | : Empty containers should be taken to an approved waste |
| | handling site for recycling or disposal. |
| | If not otherwise specified: Dispose of as unused product. |

SECTION 14. TRANSPORT INFORMATION

International Regulations



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|--|------------------------------|---|---|---|--|--|
| UNRTDG UN number Proper shipping name II Class Packing group Labels Environmentally hazardous | | : | UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (lambda-cyhalothrin (ISO), Pirimiphos-methyl (ISO)) 6.1 III 6.1 yes | | | |
| IATA-DGR UN/ID No. Proper shipping name II Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- | | | UN 2811 Toxic solid, organic, n.o.s. (lambda-cyhalothrin (ISO), Pirimiphos-methyl (ISO)) 6.1 III Toxic 677 670 | | | |
| ger aircraft) IMDG-Code UN number Proper shipping name Class Packing group Labels EmS Code Marine pollutant | | : | UN 2811 TOXIC SOLID, O (lambda-cyhaloth 6.1 III 6.1 F-A, S-A yes | RGANIC, N.O.S. rin (ISO), Pirimiphos-methyl (ISO)) | | |

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

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

| Argentina. Carcinogenic Substances and Agents Registry. | : | Not applicable |
|---|---|----------------|
| Control of precursors and essential chemicals for the preparation of drugs. | : | Not applicable |

The ingredients of this product are reported in the following inventories:

| AICS | : | not determined |
|------|---|----------------|
|------|---|----------------|



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|--|------------------------------|---|----------------------------|--|--|--|
| DSL | | : | not determined | | | |
| IEC | SC | : | not determined | | | |
| SECTION 16. OTHER INFORMATION | | | | | | |
| Revision Date Date format | | : | 06.07.2024 dd.mm.yyyy | | | |
| Further information Sources of key data used to compile the Material Safety Data Sheet | | : | | data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/ | | |
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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Full text of other abbreviations

| ACGIH AR OEL | USA. ACGIH Threshold Limit Values (TLV) Argentina. Occupational Exposure Limits |
|-----------------------------|--|
| ACGIH / TWA AR OEL / CMP | 8-hour, time-weighted average TLV (Threshold Limit Value) |

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China: IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Sub-



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stances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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