



SAFETY DATA SHEET

Issue Date: 08-Feb-2018

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Version: 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name: EVERGREEN® Pyrethrum Dust

EPA Registration Number: 1021-1871

Other means of identification

Part Code: 7461

Recommended use of the chemical and restrictions on use:

Recommended Use: Insecticide.

Details of the supplier of the safety data sheet

Manufacturer Address:

McLaughlin Gormley King Company
8810 10th Avenue North
Minneapolis, MN 55427

FAX #:

(763) 544-6437

Telephone Number:

(800) 645-6466, or (763) 544-0341

e-Mail Address: mgk-sds@mgk.com

Emergency telephone numbers:

24 Hour TRANSPORTATION Emergency: CHEMTREC®: (800) 424-9300

International: (703) 527-3887

24 Hour MEDICAL Emergency: SafetyCall®: (888) 740-8712, or (952) 852-9509

Comments:

MGK® Hours of operation are 8:00 a.m. to 4:30 p.m. CST, 14:00 to 22:30 GMT.
For MEDICAL EMERGENCIES or PESTICIDE INCIDENTS, call 24 hours a day to
(888) 740-8712, or (952) 852-9509.

2. HAZARDS IDENTIFICATION

Environment: OSHA has not adopted the environmental - portion of the GHS regulations, however, this SDS may include information on environmental effects.

Classification:

OSHA Regulatory Status:

This chemical is **not** considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

Emergency Overview

- H402 - Harmful to aquatic life
- H412 - Harmful to aquatic life with long lasting effects

**Appearance:** White - Powder**Physical state:** Solid - Powder**Odor:** Mild - Odorless**Precautionary Statements - Prevention:**

P273 - Avoid release to the environment

Precautionary Statements - Response:

P321 - Specific treatment (see Section 4/ First Aid).

P391 - Collect spillage

Precautionary Statements - Storage:

P404 - Store in a closed container

Precautionary Statements - Disposal:

P501 - Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC):

Not applicable

3. COMPOSITION/ INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Weight-% |
|--|-------------|-------------|
| Pyrethrins | 8003-34-7 | 1.00 |
| Silica gel, precipitated, crystalline free | 112926-00-8 | 10<--->20 * |
| Calcium sulfate dihydrate | 13397-24-5 | 70<--->80 * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Comments: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Aspiration pneumonia hazard: • No information available

Description of first aid measures:**Eye contact:**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion:

If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by

mouth to an unconscious person.

Inhalation: Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Self-protection of the First Responder: Use personal protective equipment as required.

Note to physicians: For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

Caution: Use of water spray when fighting fire may be inefficient.

Hazardous combustion products: Carbon monoxide, Carbon dioxide (CO2).

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

| | | | | |
|--------------------|-------------------------|-----------------------|---------------------------|---|
| <u>NFPA</u> | Health hazards 1 | Flammability 0 | Instability 0 | Physical and Chemical Properties |
| <u>HMIS</u> | Health hazards 1 | Flammability 0 | Physical hazards 0 | - |
| | | | | Personal protection |
| | | | | X |

Chronic Hazard Star Legend * = Chronic Health Hazard

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment as required.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Dam up. Soak up with inert absorbent material.

Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. For more information, see product label.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. For more information, see product label.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters

Exposure Guidelines:

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH | Supplier OEL |
|--|---|---|---|--------------|
| Pyrethrins 8003-34-7 | TWA: 5 mg/m ³ | TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³ | IDLH: 5000 mg/m ³ TWA: 5 mg/m ³ | - |
| Silica gel, precipitated, crystalline free 112926-00-8 | - | (vacated) TWA: 6 mg/m ³ TWA: 20 mppcf : (80)/(% SiO ₂) mg/m ³ TWA | - | - |
| Calcium sulfate dihydrate 13397-24-5 | TWA: 10 mg/m ³ inhalable particulate matter | TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction | TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust | - |

NIOSH IDLH *Immediately Dangerous to Life or Health*

Other Information: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls: Safety showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection: Protective eyewear is recommended, but is not required.

Skin and body protection: Protective gloves are recommended, but are not required.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

| | |
|-------------------------------|--------------------------|
| Physical state: | Solid - Powder |
| Appearance: | White - Powder |
| Odor | Mild - Odorless |
| Odor threshold: | No information available |
| Color (Gardner Scale): | No information available |

| <u>Property:</u> | <u>Values:</u> | <u>Comment: • Method</u> |
|--|--------------------------|--|
| pH: | --- | Not applicable; immiscible in water. . |
| Melting point / freezing point: | No information available | |
| Boiling point / boiling range: | No information available | |
| Flash point: | No information available | |

| | |
|---|--------------------------|
| Evaporation rate: | No information available |
| Flammability (solid, gas): | No information available |
| Upper flammability limit (UEL): | No information available |
| Lower flammability limit (LEL): | No information available |
| Vapor pressure: | No information available |
| Vapor density: | No information available |
| Specific Gravity: | No information available |
| Water solubility: | No information available |
| Partition coefficient; n-Octanol/ Water: | No information available |
| Autoignition temperature: | No information available |
| Decomposition temperature: | No information available |
| Kinematic viscosity: | No information available |
| Dynamic viscosity: | No information available |
| Refractive Index: | No information available |

Other Information:

| | |
|-------------------------|---|
| Bulk Density: | 0.64 g/ cm ³ Packed Density; 0.37 g/ cm ³ Un-packed Density |
| VOC Content (%): | 0 |

Miscibility/ Solubility:

| | |
|-------------------------------|------------|
| Water: | Immiscible |
| Alcohol | Immiscible |
| Aromatic solvents: | Immiscible |
| Petroleum distillates: | Immiscible |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials:

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION**Numerical measures of toxicity - Product Information**

| | |
|-----------------------------------|--|
| Oral LD₅₀ | >5,000 g/kg (rat) |
| Dermal LD₅₀ | >2,000 g/kg (rabbit) |
| Inhalation LC₅₀ | >5.40 mg/L, (rat; 4 hours) |
| Eye contact: | Irritation clearing in 48 hours. (rabbit). |
| Skin Contact: | No irritation observed. |
| Skin Irritation Index: | 0.0 |
| Sensitization: | Negative. (guinea pig). |
| Comment: | Toxicology data was bridged from a similar formula. |
| Carcinogenicity | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
| Reproductive toxicity: | No information available. |
| Developmental Toxicity | No information available. |
| Teratogenicity: | No information available. |
| STOT - single exposure: | No information available. |
| STOT - repeated exposure: | No information available. |
| Chronic toxicity: | Avoid repeated exposure. |
| Target Organ Effects: | Central nervous system, Eyes, Respiratory system, Skin. |

12. ECOLOGICAL INFORMATION**Ecotoxicity:****Persistence and degradability**

No information available.

Bioaccumulation

No information available.

Other adverse effects: No information available

Environmental hazards (EPA):

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

Contaminated packaging: For more information, see product label.

14. TRANSPORT INFORMATION**DOT (Department of Transportation)**

UN/ID Number: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s., RQ (Pyrethrins)
Hazard Class: 9
Packing Group: III

Other Shipping Information: This material is **not** regulated as a hazardous material by the DOT in quantities less than 100 Lbs.

Shipping name for quantities less than 100 Lbs.:

Insecticides, Insect or Animal Repellent, Solid

Hazard Class: This material is not hazardous.

Air (IATA/ ICAO)

UN/ID Number: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s., RQ (Pyrethrins)
Hazard Class: 9
Packing Group: III

Vessel (IMO/ IMDG) Not available

15. REGULATORY INFORMATION**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard**Categories**

| | |
|--|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Pyrethrins 8003-34-7 | 1 lb | - | - | - |

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ): |
|-------------------------|--------------------------|----------------|--|
| Pyrethrins 8003-34-7 | 1 lb | - | RQ 1 lb final RQ RQ 0.454 kg final RQ |

US State Regulations:

California Proposition 65:

This product does not contain any Proposition 65 chemicals

U.S. EPA Label Information:

EPA Registration Number: 1021-1871

Difference between SDS and EPA (FIFRA) Pesticide label:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for Safety Data Sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

Precautionary Statements:

- Harmful if absorbed through the skin.

International:

| | |
|----------------------|-----------------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Does not comply |
| ENCS | Does not comply |
| IECSC | Complies |
| KECL | Does not comply |
| PICCS | Does not comply |
| AICS | Does not comply |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

| |
|---|
| 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION. |
|---|

| Issue Date: | Revision Date: | Revision Note: |
|--------------------|-----------------------|------------------------|
| 08-Feb-2018 | 08-Feb-2018 | - SDS sections updated |
| | | - 1 |
| | | - 2 |
| | | - 5 |
| | | - 8 |
| | | - 14 |
| | | - 15 |
| | | - 16 |

SDS Prepared By: Troy Azzvitto, MGK® Chemistry Department.
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This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). The product label provides information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the EPA under the authority of FIFRA through the product label. All necessary hazard classification and appropriate precautionary use, storage, and disposal information is set forth on that label or labeling accompanying the pesticide or to which reference is made on the label. It is a violation of federal law to use an EPA-registered pesticide product in any manner inconsistent with its labeling.

End of Safety Data Sheet.