

# Safety Data Sheet

Date Created: 12/17/2015

## 1. IDENTIFICATION

- (a) **Product identifier used on label:** Mighty
- (b) **Other means of identification:** Synergy
- (c) **Product code:** EPA Reg. No 89819-1
- (d) **Recommended use and restrictions on use:** For use in home gardens, indoor houseplants, greenhouses, and other residential landscapes. Do not allow adults, children, or pets to enter the treated area until sprays have dried. Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift. Remove pets, birds, and cover fish aquariums before spraying. Do not use Mighty spray when temperatures are above 90°F. Do not apply more than one time per day. Do not apply directly to or near water, storm drains, or drainage ditches. Do not apply when windy. To prevent product run-off, do not over water treated area(s) or apply prior to heavy rainfall.
- (e) **Responsible party:**  
NPK Industries  
1600 Skypark Drive, Suite 212  
Medford, OR 97504  
Phone: 1-800-994-4508
- (f) **Emergency phone number:** National Pesticides Information Center at 1-800-858-7358 from 6:30 AM to 4:30 AM Pacific Time (PT), seven days a week  
During other times, call the poison control center at 1-800-222-1222

## 2. HAZARDS IDENTIFICATION

- (a) GHS classification: Sensitization – skin (Category 1B)
  - (b) Signal word: Warning
- Pictogram:



- Hazard statements: Avoiding breathing fume, gas, mist, vapors, spray.  
Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.
- Precautionary statements: If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. See label and first-aid section for specific treatment. Wash contaminated clothing before reuse. Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CASRN	Concentration (%)
Pyrethrins	8003-34-7	< 1
Canola Oil	120962-03-0	< 5
FD&C Red 40	25956-17-6	< 1
Other ingredients	Trade secret	> 90

The specific chemicals identities and exact percentages (concentrations) of composition have been withheld as a trade secret.

### 4. FIRST-AID MEASURES

- (a) Description of necessary measures, subdivided according to the different routes of exposure:
- 1) Inhalation: Remove person from contaminated area to fresh air. If breathing is difficult, see physician.
  - 2) Skin contact: Remove contaminated clothing. Wash with water at least 15 minutes. Seek medical attention.
  - 3) Eye contact: Wash with plenty of water for at least 15 minutes. Seek medical attention.
  - 4) Ingestion: Do not induce vomiting; drink milk or water to dilute substance. Consult physician immediately.
- (b) Most important symptoms/effects, acute and delayed: Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
- (c) Indication of immediate medical attention and special treatment needed, if necessary: Not necessary

### 5. FIRE-FIGHTING MEASURES

- (a) Suitable and unsuitable extinguishing media:
- 1) Suitable: Dry powder, spray, foam, or CO<sub>2</sub>
  - 2) Unsuitable: None
- (b) Specific hazards arising from chemical: None
- (c) Special protective equipment and precautions for fire-fighters: Do not enter any enclosed or confined space without protective equipment. This may include self-contained breathing apparatus to protect against hazardous effects of normal combustion products or oxygen deficiencies.

## 6. ACCIDENTAL RELEASE MEASURES

- (a) Personal precautions, protective equipment, and emergency procedures: Ventilate area, soak spills up.
- (b) Methods and materials for containment and cleaning up: Use direct sand, sawdust, vermiculite, or other suitable absorbent materials to soak up spills. Dispose of according to federal, state, and local regulations.

## 7. HANDLING AND STORAGE

- (a) Precautions for safe handling: None required.
- (b) Conditions for safe storage, including any incompatibilities: Store in tightly sealed containers (preferably full) in cool dry, well-ventilated area, away from heat, flame and sunlight.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- (a) OSHA Permissible Exposure Limits (PELs), ACGIH Threshold Limit Values (TLVs), and any other exposure limits:
  - 1) OSHA PELs: Pyrethrins – 5 mg/m<sup>3</sup>
  - 2) ACGIH TLVs: Pyrethrins – 5 mg/m<sup>3</sup>
- (b) Appropriate engineering controls: Ventilations not normally required. In confined spaces, mechanical exhaust recommended.
- (c) Individual protection measures, such as personal protective equipment:
  - 1) Respiratory protection: Not normally required, but if vapor concentration is high due to heat, use respirator.
  - 2) Eye protection: Safety glasses and goggles recommended.
  - 3) Skin protection: Standard industrial type rubber gloves and laboratory coat or similarly approved type work clothes recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- (a) Appearance (physical state, color, etc.): Pinkish opaque liquid
- (b) Odor: Faint pyrethrins odor to odorless
- (c) Odor threshold: Not available
- (d) pH: 5.58, as a 1% solution in water
- (e) Melting point/freezing point: Not available
- (f) Initial boiling point and boiling range: Not available
- (g) Flash point: 173°F (closed cup method)
- (h) Evaporation rate: Not available
- (i) Flammability (solid, gas): N/A

- (j) Upper/lower flammability or explosive limits: Not available
- (k) Vapor pressure: Not available
- (l) Vapor density: Not available not available
- (m) Relative density: 0.997 g/mL at 20°C
- (n) Solubility(ies): Not available
- (o) Partition coefficient (n-octanol/water): Not available
- (p) Auto-ignition temperature: Not available
- (q) Decomposition temperature: Not available
- (r) Viscosity: 1.0 cst at 20°C; 0.7 cst at 40°C

## **10. STABILITY AND REACTIVITY**

- (a) Reactivity: Not available
- (b) Chemical stability: Product is stable
- (c) Possibility of hazardous reactions: Will not occur
- (d) Conditions to avoid: Below 35°F
- (e) Incompatible materials: Strong oxidizing agents
- (f) Hazardous decomposition products: Carbon dioxide or carbon monoxide

## **11. TOXICOLOGICAL INFORMATION**

- (a) Information on the likely routes of exposure:
  - 1) Eye contact: Components of this mixture can be irritating to eyes.
- (b) Symptoms related to the physical, chemical and toxicological characteristics: Not available
- (c) Delayed and immediate effects and also chronic effects from short- and long-term exposure:  
Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
- (d) Numerical measures of toxicity (such as acute toxicity estimates): Not available
- (e) Whether any chemicals are listed by NTP, IARC, or OSHA as carcinogens: None listed

## **12. ECOLOGICAL INFORMATION**

This product is toxic to aquatic organisms including fish and invertebrates. Do not apply directly to or near water. Drift and run-off may be hazardous to fish in water adjacent to treated areas. Do not contaminate water when disposing of equipment, washwater, or rinsate. See label for Directions for Use for additional precautions and requirements.

## **13. DISPOSAL CONSIDERATIONS**

Non-refillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## 14. TRANSPORT INFORMATION

- (a) Shipping Description: Not regulated by DOT  
(b) Transport Hazard Class: N/A  
(c) UN Number: N/A

## 15. REGULATORY INFORMATION

**Hazards to Humans and Domestic Animals:** CAUTION: Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### User Safety Recommendations

- Users should wash hands with plenty of soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.

### Environmental Hazards

This product is toxic to aquatic organisms including fish and invertebrates. To protect the environment do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

## 16. OTHER INFORMATION

- (a) Date of last change to SDS: December 17, 2015