



SAFETY DATA SHEET

Issue Date: April 23, 2015

Version: GHS

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name: MONTEREY ROSE & FLOWER SPRAY PLUS
EPA Registration Number: 70051-111-54705
Product Type: Emulsifiable Concentrate
Active Ingredient: Clarified Hydrophobic Extract of Neem Oil and Pyrethrins
CAS No.: 947173-77-5 and 8003-34-7

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

Identified uses: Insecticide, Miticide and Fungicide
Uses advised against: All uses not listed on the label.

1.3 Details of the Supplier of the Safety Data Sheet

Distributed by:
Lawn and Garden Products, Inc.
PO Box 35000
Fresno, CA 93745
Phone – (559) 499-2100
info@montereylawnngarden.com

1.4 Emergency Phone Number (24 Hour): CHEMTREC®: (800) 424-9300

2. Hazards Identification

2.1 Classification of the substance or mixture

Hazard Classification: Not classified as hazardous by OSHA
EPA Signal Word: Caution* (refer to Section 15)
Hazard Statements: None
Pictogram: None
Precautionary Statements: Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. 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 toilet. Remove and wash contaminated clothing before reuse.

2.2 Other hazards: Do not use or store near heat or flame.

3. Composition/Information on Ingredients

3.1 Substance

| Ingredient Name | CAS No | Weight-% |
|-------------------------------------------|-------------|----------|
| Clarified Hydrophobic Extract of Neem oil | 947173-77-5 | 70 |
| Pyganic MUP 20 | 8003-34-7 | 1.25 |

4. First Aid Measures

4.1 Description of first aid measures:

- Generic measures:** Call poison control center or doctor for treatment advice. Have the product container or label with you when you are calling the poison control center or doctor or going for treatment.
- 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, if present, and continue rinsing eye. Call poison control center or doctor for treatment advice.
- Skin contact:** Remove contaminated clothing and rinse skin with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.
- Inhalation:** Move 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 poison control center or doctor for treatment advice.
- Ingestion:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if they are able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Eye and skin irritation

4.3 Indication of any immediate medical attention and special treatment needed

None known

5. Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Dry chemical, foam, carbon dioxide.

Unsuitable extinguishing media: Water

5.2 Special Hazards arising from the substance or mixture

Hazardous combustion products: None known.

5.3 Advice for firefighters

Protection of Firefighters: Not determined.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: None specified

For emergency responders: None specified

6.2 Environmental precautions:

This product is hazardous to fish and aquatic organisms. 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 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 areas.

This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

6.3 Methods and material for containment and cleaning up

Methods for containment: Do not use in a manner that would allow drift or rinse water from equipment cleaning to contaminate water sources or supplies.

Methods for cleaning up: None specified

Other information: None

6.4 Reference to other sections

See Section 8 for occupational exposure limits and risk management measures Refer to Section 13 for disposal considerations.

7. Handling and storage

7.1 Precautions for safe handling

Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco or using toilet. Remove and wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Keep in original container. Store in a dry place, away from directly sunlight, feed, or foodstuffs. Keep container tightly sealed when not in use. Do not store below 40°F 4°C). Do not store diluted solutions for later use.

7.3 Specific end use(s)

Use only as specified on label.

8. Exposure controls/personal protection

8.1 Control parameters

OSHA Permissible Exposure Limits (PELs): Not determined

ACGIH Threshold Limit Values: Not determined

Other Exposure Limits: Not determined

8.2 Exposure controls

Engineering controls None specified

Personal protective equipment

Eye/Face protection: Not specified

Skin protection: None specified

Hand protection: None specified

Body protection: None specified

Respiratory protection: None specified

Thermal hazards: None known

General hygiene considerations: Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

Environmental exposure controls: This product is toxic to fish and aquatic organisms. 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 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 areas.

This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

| | |
|-----------------------------------------------------|--------------------------|
| Appearance: | Brown translucent liquid |
| Odor: | Citrus/garlic |
| Odor threshold: | Not determined |
| pH: 1% dilution | 6.46-7.14 |
| Melting point/freezing point: | 37°F (3°C) |
| Initial boiling point: | >275°F |
| Boiling range: | Not determined |
| Flash point: | 72°C (161°F) |
| Evaporation rate: | Not determined |
| Flammability (solid, gas): | Not determined |
| Lower & Upper flammability limits: | Not determined |
| Vapor pressure: | Not determined |
| Volatility by weight: | 23.75% |
| Density: | 7.606 ± 0.5 lb/gal |
| Solubility: | Not determined |
| Partition coefficient; n-Octanol/ Water: | Not determined |
| Autoignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Viscosity: | Not determined |
| Explosive properties: | None known |
| Oxidizing properties: | None known |

9.2 Other Information: Not available

10. Stability and reactivity

| | |
|-------------------------------------------------------|-------------------------------|
| <u>10.1 Reactivity</u> | None known |
| <u>10.2 Chemical stability</u> | Stable |
| <u>10.3 Possibility of hazardous reactions</u> | None known |
| <u>10.4 Conditions to avoid</u> | Low temperatures, open flames |
| <u>10.5 Incompatible materials</u> | None known |
| <u>10.6 Hazardous decomposition products</u> | None known |

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Toxicological information on the substance or mixture

| | |
|-------------------------------------------|------------------------------------------------------------------------|
| LD₅₀ (oral): | >5000 mg/kg (study with product containing 90% neem oil) |
| LD₅₀ (dermal): | >2000 mg/kg (study with product containing 90% neem oil) |
| LC₅₀ (inhalation): | >6.17 mg/L (study with product containing 90% neem oil) |
| Skin corrosion/irritation: | Non-irritating. Toxicity Category IV |
| Eye irritation: | Mildly irritating. Toxicity Category IV |
| Respiratory or skin sensitization: | Mild sensitizer (study conducted with product containing 90% neem oil) |

Other information on adverse health effects:

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

11.2 Reference to other sections

See Section 4 for symptoms and acute and delayed effects.

12. Ecological Information

12.1 Toxicity

This product is toxic to fish and aquatic organisms, This product is toxic to bees when exposed to direct treatment.

12.2 Persistence and degradability Neem oil degrades rapidly and does not persist in the environment.

12.3 Bioaccumulative potential Neem oil is not intended for use in aquatic environments. Appropriate cautions are required for use around bodies of water.

12.4 Mobility in soil No data available.

12.5 Other adverse effects No data available.

13. Disposal Considerations

13.1 Waste treatment methods

Pesticide Storage: Do not store diluted solutions for later use.

Pesticide Disposal and Container Handling: Nonrefillable container. Do not reuse or refill this container.

- For container sizes less than 5 gallons-

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.

-for containers greater than 5 gallons-

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. Transportation Information

14.1 UN number Not regulated

14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es) Not regulated.

14.4 Packing Group Not regulated

14.5 Environmental hazards Not regulated

14.6 Special precautions for user Not regulated

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not regulated

15. Regulatory Information

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

EPA: This product 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-pesticidal chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION, KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed, inhaled, or absorbed through the skin.
Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
This product is toxic to fish and aquatic organisms.
This product is toxic to bees exposed to direct treatment

| | |
|------------------------------------|--------|
| OSHA: | NA |
| TSCA Status: | Exempt |
| CERCLA Reportable Quantity: | N/A |
| SARA Title III: | |
| Section 302: | N/A |
| Section 311/312: | N/A |
| Section 313: | N/A |
| RCRA Status: | N/A |

16. Other Information

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, Lawn and Garden Products does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

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April 23, 2015 (Certis- March 23, 2015)

Revision Note:
New SDS – GHS Classification