



Safety Data Sheet

Report Date 05-Dec-19

Page 1 of 4

1. Identification

Product Name : GROUNDED-W
Synonyms : None
Product Use : Deposition Aid and Drift Management Tool
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification

Signal Word : Warning (no symbol)
Skin Irritation : Causes mild skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : LD50 >5,000 mg/kg (rat)
Acute Toxicity Dermal : LD50 >5,050 mg/kg (rabbit) on intact skin

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2B/3

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes eye irritation
Causes mild skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Mineral Oil	64742-56-9	84.99
Polyoxyethylene Sorbitan Tristearate, Sorbitan Trioleate.	Proprietary	15
Constituents ineffective as spray adjuvant	Proprietary	0.01

4. First Aid Measures

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

Skin : Remove contaminated clothing. Rinse affected area immediately with water, continuing for 15 to 20 minutes. Call a poison control center or physician for further treatment advice.

Inhalation : Move to fresh air. Consult a physician if irritation develops.

Ingestion : Do not give liquids to drink or induce vomiting, unless instructed to do so by a medical professional. Immediately call a physician or poison control center. Small amounts which enter the mouth should be rinsed away with water until the taste is gone.

Indication of Immediate Medical Attention and Special Treatment Needed : Petroleum distillate may pose an aspiration pneumonia hazard. If contact is made with a spray solution containing pesticides, follow the "Statement of Practical Treatment/First Aid" on the pesticide label(s). Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media : Use water fog, foam, dry chemical and carbon dioxide extinguishing agents.



Safety Data Sheet

Report Date 05-Dec-19

Page 2 of 4

Specific Hazards Arising from the Chemical : Although flash point is >200 degrees F., product can be made to burn.
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions : Keep unprotected and unnecessary personnel out of spill area. Use caution as the spill area will be quite slippery.
Protective Equipment : Splashproof goggles or face shield, impervious apron and footwear. If product is heated or misted, use NIOSH-approved respiratory protection. Eyewash and shower should be available in work area.
Emergency Procedures : Do not contaminate water supplies, lakes, streams or ponds. Spills may be reportable to the National Response Center if waters are impacted.
Methods and Materials for Containment and Cleanup : Clean up spills with an oil-absorbent material, such as clay, sand or sawdust. Place contaminated material in a chemical salvage drum for proper disposal.

7. Handling and Storage

Precautions for Safe Handling : Keep product locked up and out of reach of children. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco.
Conditions for Safe Storage : Store in original container only. Do not contaminate water, food or feed by storage or handling. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

8. Exposure Controls / Personal Protection

TLV/PEL : Mineral Oil TLV = 5 mg/m³, inhalable fraction
Appropriate Engineering Controls : Good general ventilation should be sufficient.
Personal Protective Equipment : Splashproof goggles or face shield, impervious apron and footwear. If product is heated or misted, use NIOSH-approved respiratory protection. Eyewash and shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Clear, blue liquid with mineral oil odor.
Flash Point, °F : >200 Degrees F.
Boiling Point, °F : Not determined
Melting Point(Freezing point), °C : Not applicable
Vapor Pressure, mm Hg @ 20 °C : Not determined
Vapor Density : Not determined
Solubility in Water : Dispersible
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 0.872-0.892
Evaporation Rate(Butyl Acetate = 1) : 1000X
Octanol/Water Partition Coefficient : No information found
pH : Non-aqueous
Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : Not determined
Decomposition temperature : No information found



Safety Data Sheet

Report Date 05-Dec-19

Page 3 of 4

10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition** : May produce oxides of carbon and asphyxiants under fire conditions.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Avoid contact with alkalies and strong oxidizers.
- Incompatible Materials** : Alkalies and strong oxidizers

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,000 mg/kg (rat). May be harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : >5,050 mg/kg (rabbit) on intact skin. May be harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : >2.17 mg/L (vapor limit). May be harmful if inhaled.
- Likely Routes of Exposure** : Skin and eyes.
- Skin Irritation** : Causes mild skin irritation. Primary dermal irritation score=0.0.
- Eye Irritation** : Causes eye irritation. No positive effects < 2.0 score; practically non-irritating.
- Skin Sensitization** : Not a sensitizer
- Carcinogenic** : None currently known.
- Chronic Effects** : No information found
- Other Hazards** : CA PROPOSITION 65 WARNINGS: No listed ingredients appear on the CA PROPOSITION 65 WARNINGS listing.

12. Ecological Information

- Ecotoxicity** : No information found
- Persistence and Degradability** : No information found
- Bioaccumulative Potential** : No information found
- Mobility in Soil** : No information found
- Other Adverse Effects** : No information found

13. Disposal Considerations

- Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT, IATA or IMDG.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : No information found
- Transport in Bulk** : No information found
- Special Precautions for Transportation** : No information found
- Freight Classification** : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)



Safety Data Sheet

Report Date 05-Dec-19

Page 4 of 4

15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 1 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 05-December-2019