



Safety Data Sheet

Report Date **31-Mar-15**

Page 1 of 4

1. Identification

Product Name : CIDEWINDER
Synonyms : None
Product Use : Nonionic Spray Adjuvant
Manufacturer/Supplier : Helena Chemical Company
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 : May be slightly irritating with prolonged or repeated contact.
Eye Irritation : Contact with spray mists or concentrated liquid may cause mild irritation.
Acute Toxicity Oral : Not expected to be toxic by ingestion.
Acute Toxicity Dermal : No effects anticipated from skin absorption.

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

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

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Proprietary blend of Ethoxylated Alkyl Phosphate Esters, nonionic surfactants and C16-C28 alkanoates.	Proprietary	98.00
Other ingredients, ineffective as spray adjuvant.	Nonhazardous	2.00

4. First Aid Measures

Eye : Immediately flush eyes with clean water for at least 15 minutes, holding eyelids open. Seek medical attention if irritation persists.
Skin : Remove contaminated clothing and wash affected skin with plenty of soap and water. If irritation develops or persists, seek medical attention.
Inhalation : Move victim to fresh air. Give artificial respiration if needed. See a physician if irritation or other problems persist.
Ingestion : Give a large amount (one or two glasses of water) to drink. Induce vomiting and immediately call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.
Indication of Immediate Medical Attention and Special Treatment Needed : 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, alcohol foam, carbon dioxide or dry chemical extinguishing agents.



Safety Data Sheet

Report Date **31-Mar-15**

Page 2 of 4

Specific Hazards Arising from the Chemical : None currently known.

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Spill area will be quite slippery. Do not get in eyes. Avoid contact with skin and clothing. Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles, safety glasses or face shield; impervious gloves, impervious apron and footwear. Eyewash station and emergency shower should be available in work area. Respiratory protection not normally needed.
- Emergency Procedures** : Contain spilled material to prevent spreading and further contamination. Do not contaminate water supplies, lakes, streams, ponds or drains with spilled product.
- Methods and Materials for Containment and Cleanup** : If uncontaminated, collect spilled liquid and reuse. If contaminated, soak up with absorbent material and shovel into chemical waste containers for proper disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Keep packages tightly closed and do not allow water to be introduced to container contents.
- Conditions for Safe Storage** : Do not store with food, feed or other material to be used or consumed by humans or animals. Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents.

8. Exposure Controls / Personal Protection

- TLV/PEL** : Not established for mixture.
- Appropriate Engineering Controls** : General or local exhaust is sufficient.
- Personal Protective Equipment** : Splashproof goggles, safety glasses or face shield; impervious gloves, impervious apron and footwear. Eyewash station and emergency shower should be available in work area. Respiratory protection not normally needed.

9. Physical and Chemical Properties

- Odor/Appearance** : Light amber to yellow liquid; oil odor.
- Flash Point, °F** : Not flammable
- Boiling Point, °F** : >200 Degrees F.
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : No information found
- Vapor Density** : No information found
- Solubility in Water** : Miscible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.935-0.955
- Evaporation Rate(Butyl Acetate = 1)** : No information found
- Octanol/Water Partition Coefficient** : No information found
- pH** : 3.0-5.0
- Flammable Limits (approximate volume % in air)** : Not applicable
- Auto-ignition Temperature** : Not applicable
- Decomposition temperature** : No information found



Safety Data Sheet

Report
Date **31-Mar-15**

Page 3 of 4

10. Stability and Reactivity

Reactivity : No information found.
Chemical Stability : Stable
Hazardous Decomposition : May produce oxides of carbon under fire conditions.
Products
Hazardous Polymerization : Will not occur
Conditions to Avoid : None currently known.
Incompatible Materials : Avoid contact with oxidizing agents.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/kg (rat)
Acute Toxicity (Dermal LD50) : No information found
Acute Toxicity Inhalation LC50 : No information found
Likely Routes of Exposure : Skin and eyes.
Skin Irritation : May be slightly irritating with prolonged or repeated skin contact.
Eye Irritation : Contact with spray mists or concentrated liquid may cause mild eye irritation.
Skin Sensitization : Not listed as a sensitizer.
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : None currently known.
Other Hazards : None currently known.

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 : May cause a sheen to form if spilled in water.

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 **31-Mar-15**

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 N
Pressure:
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 31-March-2015