



Safety Data Sheet

Report Date 01-Mar-15

Page 1 of 4

1. Identification

Product Name : INTERACTIVE
Synonyms : None
Product Use : Translocating adjuvant and water conditioner
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
Skin Irritation : Moderately irritating
Eye Irritation : Moderately irritating
Acute Toxicity Oral : May be harmful if ingested.
Acute Toxicity Dermal : May be harmful in contact with or if absorbed by skin.

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

Hazard Statement : Maybe harmful if swallowed, in contact with skin or if inhaled
Causes skin irritation
Causes eye irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of ammonia salts, cationic and anionic surfactants, dimethyl polysiloxane and salts of polyacrylic acid.	Proprietary	43.00
Other ingredients	Proprietary	57.00

4. First Aid Measures

Eye : Hold eyelids open flush with a steady, gentle stream of water for 15 minutes. Get medical attention if irritation persists.

Skin : Wash with plenty of soap and water. Get medical attention if irritation persists.

Inhalation : Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth if possible. Get medical attention if irritation persists.

Ingestion : Call a doctor or poison control center for treatment advice. Do not induce vomiting or give anything by mouth if unconscious. Drink promptly a large quantity of milk, eggwhites, gelatin solution, or if these are not available, water. Avoid alcohol.

Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically. If contact is made with the spray solution containing pesticides, follow the "Statement of Practical Treatment/First Aid" on the pesticide label.

5. Fire Fighting Measures

Extinguishing Media : Non-combustible product. Use extinguishing media suitable for underlying cause of fire.



Safety Data Sheet

Report Date 01-Mar-15

Page 2 of 4

Specific Hazards Arising from the Chemical : Product may generate toxic and irritating fumes under fire conditions.
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.

6. Accidental Release Measures

Personal Precautions : Avoid contact with eyes and skin. Avoid breathing spray mist.
Protective Equipment : Impervious gloves, splashproof goggles or face shield, impervious apron and footwear. Use NIOSH-approved air-purifying respirator approved for ammonia. Eyewash and emergency shower should be available.
Emergency Procedures : Contain spill to prevent contaminating soil or waterways.
Methods and Materials for Containment and Cleanup : If uncontaminated, recover and reuse product. If contaminated, carefully inert absorbent to spilled liquid. Pickup and place residual product in proper containers for disposal.

7. Handling and Storage

Precautions for Safe Handling :
Conditions for Safe Storage : Keep container tightly closed. May be stored in unheated area but keep from freezing.

8. Exposure Controls / Personal Protection

TLV/PEL : No information found.
Appropriate Engineering Controls : Local exhaust should be sufficient.
Personal Protective Equipment : Impervious gloves, splashproof goggles or face shield, impervious apron and footwear. Use NIOSH-approved air-purifying respirator approved for ammonia. Eyewash and emergency shower should be available.

9. Physical and Chemical Properties

Odor/Appearance : Clear to slightly hazy, amber liquid.
Flash Point, °F : Not flammable
Boiling Point, °F : 212 Degrees F.
Melting Point(Freezing point), °C : <32 Degrees F.
Vapor Pressure, mm Hg @ 20 °C : Not established
Vapor Density : Not established
Solubility in Water : Soluble
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 1.085 to 1.105
Evaporation Rate(Butyl Acetate = 1) : Not established
Octanol/Water Partition Coefficient : No information found
pH : 5.0 to 7.0
Flammable Limits (approximate volume % in air) : Not applicable
Auto-ignition Temperature : Not applicable
Decomposition temperature : No information found

10. Stability and Reactivity



Safety Data Sheet

Report Date 01-Mar-15

Page 3 of 4

Reactivity : No information found.
Chemical Stability : Stable
Hazardous Decomposition : May produce ammonia and phosphorous oxides under fire conditions.
Products
Hazardous Polymerization : Will not occur
Conditions to Avoid : None currently known.
Incompatible Materials : Product may react vigorously with alkaline materials.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No information found
Acute Toxicity (Dermal LD50) : No information found
Acute Toxicity Inhalation LC50 : No information found
Likely Routes of Exposure : Skin, eyes, inhalation
Skin Irritation : Moderately irritating
Eye Irritation : Moderately irritating
Skin Sensitization : Not 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 : No information found

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures according to 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)

15. Regulatory Information

National Fire Protection Association Rating :



Safety Data Sheet

Report Date **01-Mar-15**

Page 4 of 4

Health: 2 Fire: 0 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 : 01-March-2015