



Safety Data Sheet

Report Date 07-May-15

Page 1 of 4

1. Identification

Product Name : HYPER-ACTIVE (CA)
Synonyms : None
Product Use : Adjuvant for Insecticide/Miticide/Fungicide Sprays
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 : Danger
Skin Irritation : This product may cause irritation to the skin.
Eye Irritation : Causes irreversible eye damage.
Acute Toxicity Oral : LD50 >2,000 mg/kg (rat)
Acute Toxicity Dermal : LD50 >2,000 mg/kg (rabbit)

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye Irritation-1; Skin Irritation-3; Flammable-2

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes serious eye damage
Causes mild skin irritation
May be harmful if inhaled
Highly flammable liquid and vapour

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Polyoxyethylene fatty acid ester	Proprietary	44
Dialkyldimethyl ammonium polynaphthylmethylene sulfonate	Proprietary	19
Constituents ineffective as adjuvant	Proprietary	37

4. First Aid Measures

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

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a 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 a poison control center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.



Safety Data Sheet

Report Date 07-May-15

Page 2 of 4

Indication of Immediate Medical Attention and Special Treatment Needed : If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling. Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media : Use foam, dry chemical, or water. Foam extinguishing agents are preferred.
Specific Hazards Arising from the Chemical : Vapors can travel to a source of ignition and flash back. Under decomposition, emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
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 spill area. Keep upwind of spilled material.
Protective Equipment : Splashproof goggles or face shield, impervious gloves, long-sleeved shirt and long pants. Use NIOSH-approved respirator. Eyewash and emergency shower should be available in work area.
Emergency Procedures : Dike the spilled material, if possible. Eliminate all sources of ignition.
Methods and Materials for Containment and Cleanup : Collect spilled liquid with an inert absorbent, such as sand or vermiculite. Shovel or scoop up material and place in properly labeled, closed container for disposal. If a large spill has occurred, use foam to blanket spilled material, then collect.

7. Handling and Storage

Precautions for Safe Handling : Keep out of reach of children. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment washwater or spray wastes.
Conditions for Safe Storage : 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 : Isopropyl alcohol - OSHA TWA 400 ppm.
Appropriate Engineering Controls : Provide adequate local exhaust ventilation.
Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, long-sleeved shirt and long pants. Use NIOSH-approved respirator. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Clear amber liquid; strong isopropanol odor.
Flash Point, °F : 70 Degrees F. (PMCC)
Boiling Point, °F : No information found
Melting Point(Freezing point), °C : Not tested
Vapor Pressure, mm Hg @ 20 °C : No data available
Vapor Density : No information found
Solubility in Water : Dispersible
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 0.965-0.985



Safety Data Sheet

Report Date 07-May-15

Page 3 of 4

Evaporation Rate(Butyl Acetate = 1) : No information found
Octanol/Water Partition Coefficient : No information found
pH : 4.5 to 6.0
Flammable Limits (approximate volume % in air) : Not applicable
Auto-ignition Temperature : Not determined
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition : Emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons upon decomposition.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid strong oxidizing agents, sources of heat and ignition.
Incompatible Materials : Avoid strong oxidizing agents.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >2,000 mg/kg. May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : No LD50 available. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No LC50 available. May be harmful if inhaled.
Likely Routes of Exposure : Inhalation, skin, eyes, ingestion
Skin Irritation : Causes mild skin irritation.
Eye Irritation : Causes serious eye damage. The product and its vapors can cause irritation/damage.
Skin Sensitization : No information found.
Carcinogenic : No information found.
Chronic Effects : No data available
Other Hazards : This product may aggravate an existing dermatitis.

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 : Flammable Liquid, n.o.s. (Isopropanol) - classification for any mode, any package size



Safety Data Sheet

Report Date **07-May-15**

Page 4 of 4

Transport Hazard Class : Class 3
UN Identification Number : UN1993
Packaging Group : PG III
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 :

Health: 2 Fire: 2 Reactivity: 1
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: Y
Reactive: N

16. Other Information

Data of Preparation/Revision : 07-May-2015