



# Safety Data Sheet

Report Date 07-May-15

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## 1. Identification

**Product Name** : HYPER-ACTIVE  
**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 %
Dialkyl dimethyl ammonium polynaphthyl amine	Proprietary	24.0
Polyethoxylated alkyl (C6-C22) aryl ethers	Proprietary	56.0
Components ineffective as spray adjuvant	Proprietary	20.0

## 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.



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**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



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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



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**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