



Safety Data Sheet

Report Date 12-Apr-15

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1. Identification

Product Name : INJECTOR
Synonyms : None
Product Use : Soil Penetrant
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; primary irritation score=3.17.
Eye Irritation : Moderately irritating; max. average irritation=30.7 in non-washed eyes, max avg. irritation=20.0 in washed eyes.
Acute Toxicity Oral : LD50 >5,010 mg/kg (male rat); LD50 >6,000 mg/kg (female rat)
Acute Toxicity Dermal : LD50 >2,010 mg/kg (rabbit) on abraded skin
Hazard Categories : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2A; Skin Irritation - 2
Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes serious eye irritation
Causes skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Alkyl Aryl Polyoxylkane	Proprietary	25.00
Inert Ingredients	Proprietary	75.00

4. First Aid Measures

Eye : Immediately flush eye with water for at least 15 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin : Take off contaminated clothing immediately. Rinse affected areas with water or shower. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
Inhalation : Move person to fresh air. If 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 treatment advice.
Ingestion : Call a poison control center or doctor immediately. Rinse mouth. Do not induce vomiting. Do not give anything by mouth to an unconscious person.
Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically.

5. Fire Fighting Measures



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Extinguishing Media : Dry chemical, water spray, water fog, carbon dioxide or foam.
Specific Hazards Arising from the Chemical : None currently known.
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Avoid breathing fumes. Water spray may be ineffective.

6. Accidental Release Measures

Personal Precautions : Keep unprotected and unnecessary personnel out of spill area. Use suitable protective equipment.
Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respiratory protection when needed. Eyewash station should be available in work area.
Emergency Procedures : Dike spill area to prevent spreading. Do not contaminate water supplies, lakes, streams or ponds with spilled product.
Methods and Materials for Containment and Cleanup : Cover spill with an absorbent such as clay, sand or sawdust. Collect and transfer to suitable containers for proper disposal. Flush spill area with water, absorb and place in same containers with collected material.

7. Handling and Storage

Precautions for Safe Handling : Keep locked up and out of reach of children. Keep container tightly closed. Do not contaminate water, food or feed by storage, handling or disposal. Do not allow water to be introduced into the contents of this container.
Conditions for Safe Storage : Store in original container only. Do not store with oxidizing agents or ammonium nitrate.

8. Exposure Controls / Personal Protection

TLV/PEL : Not established for mixture.
Appropriate Engineering Controls : Local exhaust normally sufficient.
Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respiratory protection when needed. Eyewash station should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Clear, colorless liquid with low odor.
Flash Point, °F : >200 Degrees F. (PMCC)
Boiling Point, °F : >200 Degrees F.
Melting Point(Freezing point), °C : Not applicable
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 : 1.010-1.030
Evaporation Rate(Butyl Acetate = 1) : Not applicable
Octanol/Water Partition Coefficient : No information found
pH : <7.0 (5%)
Flammable Limits (approximate volume % in air) : No information found



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Auto-ignition Temperature : Not applicable
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition : Carbon dioxide and carbon monoxide under fire conditions.
Products
Hazardous Polymerization : Will not occur
Conditions to Avoid : Excessive temperatures and open flames.
Incompatible Materials : Strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,010 mg/kg for male rat, >6,000 mg/kg for female rat.
Acute Toxicity (Dermal LD50) : >2,010 mg/kg on abraded skin.
Acute Toxicity Inhalation LC50 : >2.29 mg/L for undilute aerosol (vapor limit).
Likely Routes of Exposure : Skin, eyes, inhalation
Skin Irritation : Moderately irritating. Primary irritation score=3.17.
Eye Irritation : Moderately irritating. Max. avg. irritation=30.7 in non-washed eyes; max. avg. irritation=20.0 in washed eyes.
Skin Sensitization : No information found
Carcinogenic : Not listed.
Chronic Effects : No information found
Other Hazards : CA Prop 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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 : Do not contaminate water supplies, lakes, streams, ponds or drains.

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 D.O.T.
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



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Freight Classification : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)

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 : 12-April-2015