



Safety Data Sheet

Report Date 07-Apr-15

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1. Identification

Product Name : KINETIC HV
Synonyms : None
Product Use : Nonionic Wetter/Spreader/Penetrant 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
Skin Irritation : Slightly irritating
Eye Irritation : Mildly irritating in non-washed eyes
Acute Toxicity Oral : LD50 (rats) > 2,890 mg/kg
Acute Toxicity Dermal : LD50 (rats) > 2,020 mg/kg

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

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

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of polyalkyleneoxide modified polydimethylsiloxane and nonionic surfactants.	Proprietary	99.00
Constituents ineffective as spray adjuvant.	Nonhazardous	1.00

4. First Aid Measures

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

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

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 for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth if unconscious.



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Indication of Immediate Medical Attention and Special Treatment Needed : If contact is made with the 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 alcohol-type or universal foam for large fires. Use carbon dioxide or dry chemical extinguishers for small fires.

Specific Hazards Arising from the Chemical : Avoid spraying a solid stream of water or foam directly into a pool of hot, burning liquid as this may cause frothing.

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 of spill area.

Protective Equipment : Splashproof goggles or face shield, impervious gloves, protective apron and footwear. Emergency shower and eyewash should be available nearby.

Emergency Procedures : Secure spill area. Do not contaminate water supplies, lakes, streams, ponds or drains.

Methods and Materials for Containment and Cleanup : Cover spilled liquid with inert absorbent, such as clay, sand, sawdust or vermiculite. Collect and place in suitable chemical waste container for disposal.

7. Handling and Storage

Precautions for Safe Handling : Keep out of reach of children. Do not contaminate water supplies, lakes, streams or ponds with rinsate from containers or equipment. Avoid breathing vapors. Use with adequate ventilation. Wash thoroughly after handling.

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. Keep container tightly closed. Do not allow water to be introduced into the contents of the container. Do not store near heat or open flame.

8. Exposure Controls / Personal Protection

TLV/PEL : Not established for this mixture.

Appropriate Engineering Controls : General (mechanical) room ventilation should be sufficient.

Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, protective apron and footwear. Emergency shower and eyewash should be available nearby.

9. Physical and Chemical Properties

Odor/Appearance : Clear, colorless liquid with surfactant odor.

Flash Point, °F : >150 Degrees F.

Boiling Point, °F : >150 Degrees C.

Melting Point(Freezing point), °C : <0 Degrees C.

Vapor Pressure, mm Hg @ 20 °C : <1 mmHg

Vapor Density : >1

Solubility in Water : Dispersible

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.010-1.040

Evaporation Rate(Butyl Acetate = 1) : <1



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Octanol/Water Partition Coefficient : No information found
pH : No information found
Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : Not determined
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : May produce carbon dioxide, carbon monoxide and oxides of silicon under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : None currently known.
Incompatible Materials : None currently known.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >2,890 mg/kg (rats)
Acute Toxicity (Dermal LD50) : >2,020 mg/kg (rats)
Acute Toxicity Inhalation LC50 : No acute inhalation toxicity data available. May be harmful if inhaled.
Likely Routes of Exposure : Skin, eyes and inhalation.
Skin Irritation : Slightly irritating.
Eye Irritation : Mildly irritating in non-washed eyes: 9.8; mildly irritating in washed eyes: 6.0.
Skin Sensitization : May cause an allergic skin reaction in sensitive individuals.
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : None currently known.
Other Hazards : No information found.

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 : Not regulated by DOT, IATA or IMDG.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found



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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: 1 Fire: 2 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: Y
Reactive: N

16. Other Information

Data of Preparation/Revision : 07-April-2015