



Safety Data Sheet

Report Date 15-Jun-16

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1. Identification

Product Name : KINETIC
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 : Causes skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : LD50 (rat) >2,890 mg/kg. Harmful if swallowed.
Acute Toxicity Dermal : LD50 (rat) >2,020 mg/kg. May be harmful in contact with skin.

Hazard Categories : Oral Toxicity-4; Dermal Toxicity-5; Eye irritation-2B; Skin irritation-2; Skin Sensitization-1

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

3. Composition / Information on Ingredients

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

Note: This product contains organosilicone surfactants.

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 eye. Call a poison control center or doctor for treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 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. 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.

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(s) label(s). Treat symptomatically.



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5. Fire Fighting Measures

- Extinguishing Media** : Use alcohol type or universal type foam extinguishing agents for large fires. Use carbon dioxide or dry chemical extinguishers for small fires.
- Specific Hazards Arising from the Chemical** : None noted.
- Special Fire Fight Proc** : Use self-contained breathing apparatus and full protective equipment. Avoid breathing fumes. Avoid spraying a solid stream of water or foam directly into a pool of hot, burning liquid as this may cause frothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of area.
- Protective Equipment** : Splashproof goggles, impervious (PVC-coated) gloves, protective apron and footwear. Emergency shower and eyewash station should be available.
- Emergency Procedures** : Isolate spill area. Do not contaminate water supplies, lakes, streams, ponds or drains with this material or wash water from cleaning containers or equipment.
- Methods and Materials for Containment and Cleanup** : Cover spilled product with an inert absorbent, such as clay, sand or sawdust. Collect and place in suitable containers for disposal.

7. Handling and Storage

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

8. Exposure Controls / Personal Protection

- TLV/PEL** : Not established
- Appropriate Engineering Controls** : General (mechanical) room ventilation is expected to be satisfactory.
- Personal Protective Equipment** : Splashproof goggles, impervious (PVC-coated) gloves, protective apron and footwear. Emergency shower and eyewash station should be available.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear, water white liquid with surfactant odor.
- Flash Point, °F** : >240 Degrees F.
- Boiling Point, °F** : >150 Degrees F.
- Melting Point(Freezing point), °C** : <35 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : <1 mm/Hg
- Vapor Density** : >1
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.01-1.04
- Evaporation Rate(Butyl Acetate = 1)** : <1
- Octanol/Water Partition Coefficient** : No information found
- pH** : No information found



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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 known
Incompatible Materials : None noted.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >2,890 mg/kg (rat). Harmful if swallowed.
Acute Toxicity (Dermal LD50) : >2,020 mg/kg (rat). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : Not classified as hazardous under 29 CFR 1910.1200 (2012).
Likely Routes of Exposure : Skin, eyes, inhalation
Skin Irritation : Causes skin irritation.
Eye Irritation : Causes eye irritation.
Skin Sensitization : May cause an allergic skin reaction. (per California Department of Pesticide Registration)
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : No information found
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
Transport in Bulk : No information found



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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: 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 : 15-June-2016