



Safety Data Sheet

Report Date 15-Nov-16

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1. Identification

Product Name : GROUND ZERO
Synonyms : Anionic Polyacrylamide in water-in-oil emulsion
Product Use : Deposition Aid and Drift Retardant
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 : Acute dermal irritation (rabbit)=4.0, based on a 72-hour observation.
Eye Irritation : Acute eye irritation (rabbit) effects cleared in 7 days.
Acute Toxicity Oral : LD50 >5,000 mg/kg. Practically non-toxic. Not classified as hazardous by ingestion.
Acute Toxicity Dermal : LD50 >2,000 mg/kg. Not classified as hazardous by skin absorption.
Hazard Categories : Eye Irritation-2A; Skin Irritation-2
Hazard Statement : Causes serious eye irritation
Causes skin irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Distillates, petroleum, hydrotreated light	64742-47-8	20-30
Proprietary formulation aids	Proprietary	70-80

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.

Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

Extinguishing Media : Water spray, alcohol foam, dry chemical, and carbon dioxide.



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- Specific Hazards Arising from the Chemical** : Under fire conditions, emits oxides of carbon and nitrogen.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full fire-fighting clothing when fighting fires in enclosed areas.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Spilled material becomes very slippery when wet.
- Methods and Materials for Containment and Cleanup** : Spilled material should be absorbed onto an inert material and scooped up and placed in plastic recovery drums for proper 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** : No TLV or PEL available.
- Appropriate Engineering Controls** : Normal room ventilation should be satisfactory.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Milky, white viscous liquid with hydrocarbon odor.
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : No information found
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : No information found
- Vapor Density** : No information found
- Solubility in Water** : Limited by viscosity
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.037-1.063
- Evaporation Rate(Butyl Acetate = 1)** : No information found
- Octanol/Water Partition Coefficient** : No information found
- pH** : 6 to 8 (1% aqueous solution)
- Flammable Limits (approximate volume % in air)** : Not determined
- Auto-ignition Temperature** : Not determined
- Decomposition temperature** : No information found



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10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition** : Under fire conditions, emits oxides of carbon and nitrogen.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : None known
- Incompatible Materials** : Strong oxidizing agents.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,000 mg/kg. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity (Dermal LD50)** : >2,000 mg/kg. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity Inhalation LC50** : No LC50 available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Likely Routes of Exposure** : Skin, eyes, ingestion
- Skin Irritation** : Causes skin irritation. Acute Dermal irritation (rabbit)=4.0, based on 72 hour observation. Causes skin irritation.
- Eye Irritation** : Causes serious eye irritation. Acute eye irritation (rabbit) effects cleared in 7 days. Causes eye irritation.
- Skin Sensitization** : Not listed as a skin sensitizer
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : None currently known.
- Other Hazards** : None currently known.

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



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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 : 15-November-2016