



Safety Data Sheet

Report Date 08-Feb-16

Page 1 of 4

1. Identification

Product Name : COHERE (CA)
Synonyms : None
Product Use : Nonionic spreader-sticker 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 : Moderately irritating
Eye Irritation : Severely irritating
Acute Toxicity Oral : LD50 (rat) > 5,000 mg/kg
Acute Toxicity Dermal : LD50 (rat) > 5,000 mg/kg

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2A/2

Hazard Statement : Causes skin irritation
Causes serious eye irritation
May be harmful if swallowed
May be harmful in contact with skin
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Alkanolamide surfactants, alkylaryl polyethoxyethanol sulfate, and 1,2-propanediol	Proprietary	88.0
Constituents ineffective as adjuvant	Proprietary	12.0

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 for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.

Inhalation : Vapors/mists may irritate the respiratory passages. Move to fresh air. If irritation persists, 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.

Indication of Immediate Medical Attention and Special Treatment Needed : Treatment should be directed toward control of the symptoms and the clinical condition of the patient.

5. Fire Fighting Measures



Safety Data Sheet

Report Date 08-Feb-16

Page 2 of 4

- Extinguishing Media** : Use carbon dioxide, dry chemical, synthetic foam or water (primarily Type BC or ABC portable extinguishers for small fires).
- Specific Hazards Arising from the Chemical** : Burning can produce nitrous oxides and ammoniacal vapors.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus for maximum respiratory protection. Water may be used to cool containers if not ruptured or leaking.

6. Accidental Release Measures

- Personal Precautions** : Do not get in eyes, on skin or clothing. Avoid breathing vapors. Ensure adequate ventilation.
- Protective Equipment** : Impervious (PVC-coated) gloves, splashproof goggles, protective apron and footwear. Emergency shower and eyewash station should be available.
- Emergency Procedures** : Spills may be reportable to the National Response Center (1-800-424-8802). Do not contaminate water supplies, lakes, streams, ponds or drains with spilled product.
- Methods and Materials for Containment and Cleanup** : Dike spill. Absorb with inert material and collect for disposal. Flush area with water. Absorb, collect and place in chemical waste disposal containers.

7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Do not get in eyes, on skin or clothing. Avoid breathing vapors. Use with adequate ventilation. Wash thoroughly after handling.
- Conditions for Safe Storage** : Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the contents of container. Do not store near heat or open flame. Do not store with oxidizing agents. Do not reuse empty container.

8. Exposure Controls / Personal Protection

- TLV/PEL** : Not established
- Appropriate Engineering Controls** : Provide adequate ventilation.
- Personal Protective Equipment** : Impervious (PVC-coated) gloves, splashproof goggles, protective apron and footwear. Emergency shower and eyewash station should be available. Use NIOSH-approved respirator when exposure to vapor or mist is likely.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear liquid with surfactant odor.
- Flash Point, °F** : >201 Degrees F.
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : <35 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Estimated lighter than air
- Solubility in Water** : Not determined
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.997-1.017
- Evaporation Rate(Butyl Acetate = 1)** : Slower than ethyl ether (est)
- Octanol/Water Partition Coefficient** : No information found
- pH** : 6.5-8.5



Safety Data Sheet

Report Date 08-Feb-16

Page 3 of 4

Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : No information found.
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : Irritating and/or toxic fumes and gases may be emitted upon product's decomposition. Burning can produce nitrous oxides and ammoniacal vapors.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Do not mix with strong oxidizing agents or alkalis. Avoid excessive heat, sparks or flame.
Incompatible Materials : May react with strong oxidizing agents and/or alkalis.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/kg (rat)
Acute Toxicity (Dermal LD50) : >5,000 mg/kg (rat)
Acute Toxicity Inhalation LC50 : No information available
Likely Routes of Exposure : Skin and eyes
Skin Irritation : Moderately irritating
Eye Irritation : Severely irritating
Skin Sensitization : Prolonged or repeated skin contact may cause irritation.
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : None currently known.
Other Hazards : CA Prop 65: This product contains or may contain a chemical(s) known to cause cancer and birth defects or other reproductive harm: 1,4-dioxane, Acetaldehyde and Formaldehyde.

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 : None noted



Safety Data Sheet

Report Date **08-Feb-16**

Page 4 of 4

Transport in Bulk : No special requirements
Special Precautions for Transportation : None noted
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: Y
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 08-February-2016