



Safety Data Sheet

Report Date 17-Jun-15

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1. Identification

Product Name : COMBAT PLUS, HELENA
Synonyms : None
Product Use : Antifoaming and Defoaming Agent
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 serious eye damage
Acute Toxicity Oral : LD50 (rat) 3,078 mg/kg
Acute Toxicity Dermal : LD50 (rabbit) 3,618 mg/kg - not classified under GHS.

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

Hazard Statement : May be harmful if swallowed
Causes serious eye damage
Causes skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Distillates, petroleum hydrotreated light	64742-58-1	40-50
Dimethylsiloxane polymer with silica	67762-90-7	20-30
Diocetyl sodium sulfosuccinate	577-11-7	10-20
Nonhazardous formulation aids	Nonhazardous	1-5

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



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- Extinguishing Media** : Foam, dry chemical, carbon dioxide, water fog, water spray, or vaporizing liquid-type extinguishing agents.
- Specific Hazards Arising from the Chemical** : None currently known.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and avoid breathing fumes.

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** : Dike spill area to prevent spreading.
- Methods and Materials for Containment and Cleanup** : Dike and absorb spill with an absorbent such as clay, sand or sawdust. Transfer to suitable containers for proper disposal. Flush spill area with water, absorb and place in same containers with other material.

7. Handling and Storage

- Precautions for Safe Handling** : Do not contaminate water, food or feed by storage, handling or disposal.
- Conditions for Safe Storage** : Store in a cool, well-ventilated place. Keep in original container, tightly closed. Do not store with food, feed, or other material to be used or consumed by humans or animals. For optimal storage, store at temperatures between 40 Degrees F. and 90 Degrees F. Do not store near heat or open flame. Do not store with oxidizing agents.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL available.
- Appropriate Engineering Controls** : Normal room ventilation (mechanical) or outdoor use 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** : Hazy white to yellow liquid, mild odor.
- Flash Point, °F** : >200 Degrees F. (PMCC)
- Boiling Point, °F** : Unknown
- Melting Point(Freezing point), °C** : Unknown
- Vapor Pressure, mm Hg @ 20 °C** : Unknown
- Vapor Density** : Unknown
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.937-0.966
- Evaporation Rate(Butyl Acetate = 1)** : Unknown
- Octanol/Water Partition Coefficient** : No information found
- pH** : Not applicable
- 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** : May produce oxides of carbon under fire conditions.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : None known
- Incompatible Materials** : None known.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : 3,078 mg/kg (rat). May be harmful if swallowed. Contains petroleum distillates.
- Acute Toxicity (Dermal LD50)** : 3,618 mg/kg (rabbit). Not classified as hazardous under GHS.
- Acute Toxicity Inhalation LC50** : No LC50 available. May be harmful if inhaled.
- Likely Routes of Exposure** : Eyes, skin, inhalation, ingestion
- Skin Irritation** : Causes skin irritation.
- Eye Irritation** : Causes serious eye damage.
- Skin Sensitization** : Not listed as a skin sensitizer.
- Carcinogenic** : None currently known.
- 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**
- 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 : 17-June-2015