



Safety Data Sheet

Report Date 13-Apr-15

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1. Identification

Product Name : BLENDEx VHC
Synonyms : None
Product Use : Concentrated Compatibility and Stabilizing 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 : Danger
Skin Irritation : Causes severe skin burns
Eye Irritation : Causes severe eye damage
Acute Toxicity Oral : LD50 2,500 mg/kg (rat)
Acute Toxicity Dermal : LD50 1,000 mg/kg (rabbit)

Hazard Categories : Oral/Inhalation Toxicity - 5/5; Dermal Toxicity - 4; Eye Irritation - 1; Skin Irritation - 1B

Hazard Statement : May be harmful if swallowed
Harmful in contact with skin
Causes serious eye damage
Causes severe skin burns and eye damage
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Proprietary blend of Alkyl Aryl Polyethoxy Ethanol Phosphate Esters and other Ethoxylated derivatives	Proprietary	90.00
Components ineffective as a spray adjuvant	Nonhazardous	10.00

4. First Aid Measures

Eye : Rinse cautiously 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 with water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

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. Rinse mouth. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically.

5. Fire Fighting Measures



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- Extinguishing Media** : Use dry chemical, water spray, water fog, carbon dioxide, foam, sand or earth as extinguishing agent.
- Specific Hazards Arising from the Chemical** : Containers may explode in the heat of fire. Product may produce toxic and irritating fumes and vapors under fire conditions.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Use water spray to cool fire-exposed containers.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles, impervious gloves, impervious apron and footwear. Eyewash station and safety shower should be available in work area. Use NIOSH-approved respirator with organic vapor cartridge when needed.
- Emergency Procedures** : Dike spilled product to prevent spreading. Do not allow spilled product to enter waterways, drains or sewers.
- Methods and Materials for Containment and Cleanup** : Absorb spill with inert absorbent, such as clay, sand or sawdust. Collect and transfer to suitable containers for proper disposal. Flush spill area with water, then absorb, collect and place in same containers with other material for disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment washwaters or spray waste.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame - combustible liquid. Do not store with oxidizing agents.

8. Exposure Controls / Personal Protection

- TLV/PEL** : Not established for mixture.
- Appropriate Engineering Controls** : Mechanical exhaust recommended.
- Personal Protective Equipment** : Splashproof goggles, impervious gloves, impervious apron and footwear. Eyewash station and safety shower should be available in work area. Use NIOSH-approved respirator with organic vapor cartridge when needed.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear, pale yellow liquid; mild solvent odor.
- Flash Point, °F** : 150 Degrees F.
- Boiling Point, °F** : Not measured
- Melting Point(Freezing point), °C** : Not measured
- Vapor Pressure, mm Hg @ 20 °C** : Not measured
- Vapor Density** : Not measured
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.090-1.122
- Evaporation Rate(Butyl Acetate = 1)** : Not measured
- Octanol/Water Partition Coefficient** : No information found



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pH : 2-3 (1%)
Flammable Limits (approximate volume % in air) : No information found
Auto-ignition Temperature : No information found
Decomposition temperature : Not measured

10. Stability and Reactivity

Reactivity : Not chemically reactive.
Chemical Stability : Stable
Hazardous Decomposition Products : Not anticipated under normal conditions of use.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid extreme heat, open flame and incompatible materials.
Incompatible Materials : Strong acids, strong bases, oxidizing agents, sulfites, sulfides, alkalis.

11. Toxicological Information

Acute Toxicity (Oral LD50) : 2,500 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : 1,000 mg/kg (rabbit). Harmful in contact with skin.
Acute Toxicity Inhalation LC50 : >0.895 mg/L (rat) (Vapor Limit). May be harmful if inhaled.
Likely Routes of Exposure : Skin, eyes, inhalation.
Skin Irritation : Causes severe skin burns.
Eye Irritation : Causes serious eye damage.
Skin Sensitization : Not applicable
Carcinogenic : No ingredients at >0.1% suspected of being a carcinogen under OSHA, NTP or IARC.
Chronic Effects : No information found
Other Hazards : CA Prop 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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 : DOT bulk packages only: NA1993, Combustible Liquid, n.o.s., (Alkyl Aryl Polyethoxy Ethanol), PG III "ERG #128"
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: 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 : 13-April-2015