



# Safety Data Sheet

Report Date 12-Apr-15

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## 1. Identification

**Product Name** : Duce  
**Synonyms** : None  
**Product Use** : High Surfactant Methylated Oil Concentrate  
**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 mild skin irritation  
**Eye Irritation** : Causes serious eye irritation  
**Acute Toxicity Oral** : May be harmful if swallowed  
**Acute Toxicity Dermal** : No toxicity information; causes mild skin irritation

**Hazard Categories** : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2A; Skin Irritation - 3

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

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Methylated Vegetable Oil and Surfactant Blend	Proprietary	100.00

## 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 treatment advice.

**Inhalation** : Move person to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably by 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. 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 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 water spray, dry chemical, foam or carbon dioxide extinguishing agents. Use water spray to cool fire-exposed containers and to protect personnel.
- Specific Hazards Arising from the Chemical** : Heat may cause pressure buildup and rupture closed containers, spreading fire and increasing the risk of injury. Water may be ineffective in fire fighting.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Fight fire from a safe distance and protected location.

### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area. Wear appropriate protective equipment to avoid contact with skin, eyes or clothing.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved organic vapor respirator when needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Spills may be reportable under the Clean Water Act. Prevent entry of spilled product into sewers or waterways.
- Methods and Materials for Containment and Cleanup** : For small spills, dike and absorb spilled liquid with an inert absorbent. Collect and place in suitable containers for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Do not contaminate food or feed by storage, disposal or handling. 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 washwater or spray waste.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : Not established for mixture.
- Appropriate Engineering Controls** : General and/or local exhaust should be sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved organic vapor respirator when needed. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Clear yellow liquid; fatty ester/alcohol odor.
- Flash Point, °F** : >200 Degrees F. (Closed cup)
- Boiling Point, °F** : Not determined
- Melting Point(Freezing point), °C** : Not determined
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not determined
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.912
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : Not determined
- pH** : 5.5-6.5



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**Flammable Limits (approximate volume % in air)** : Not determined  
**Auto-ignition Temperature** : Not determined  
**Decomposition temperature** : Not determined

### 10. Stability and Reactivity

**Reactivity** : No information found  
**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : Incomplete combustion may yield carbon oxides.  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : Do not mix with strong oxidizing agents. Keep away from aluminum metal, oleum and nitroform.  
**Incompatible Materials** : Avoid strong oxidizing agents. Isolate from open flames and heat.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : No data available. May be harmful if swallowed.  
**Acute Toxicity (Dermal LD50)** : No data available. May be harmful in contact with skin.  
**Acute Toxicity Inhalation LC50** : No data available. May be harmful if inhaled.  
**Likely Routes of Exposure** : Skin, eyes, inhalation  
**Skin Irritation** : Causes mild skin irritation.  
**Eye Irritation** : Causes serious eye irritation.  
**Skin Sensitization** : No information available  
**Carcinogenic** : Not listed by IARC, NTP or OSHA.  
**Chronic Effects** : No information available  
**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.  
**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** : 12-April-2015