



# Safety Data Sheet

Report Date 21-Apr-15

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## 1. Identification

**Product Name** : DYNE-A-PAK  
**Synonyms** : None  
**Product Use** : Spray adjuvant and deposition aid  
**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 eye irritation  
**Acute Toxicity Oral** : LD50 >5,000 mg/kg (rat). May be harmful if swallowed.  
**Acute Toxicity Dermal** : >5,000 mg/kg (rat). May be harmful in contact with skin.

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

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

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of Ammonium nitrate, Urea, Alkoxylated Triglyceride, Methyl Soyate, Amine salt of alkyl ethoxylate phosphate and Trisiloxane	Proprietary	84.3
Constituents ineffective as spray adjuvant	Nonhazardous	15.7

## 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. Have person sip a glass of water if able to swallow. Do not induce vomiting. Do not give anything by mouth if unconscious.

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



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### 5. Fire Fighting Measures

- Extinguishing Media** : Use dry chemical, water spray, water fog, carbon dioxide, foam or sand/earth.  
**Specific Hazards Arising from the Chemical** : Under fire conditions, this product may behave as an oxidizer. In contact with oxidizable substances, ignition, violent combustion or explosion could occur.  
**Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

### 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** : Contain spilled product to prevent spreading into soil or waterways, streams, ponds or drains.  
**Methods and Materials for Containment and Cleanup** : Contain product and reuse if uncontaminated. If contaminated, cover spill with absorbent, such as clay or sand, then collect and place in suitable plastic container for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Keep packages tightly closed and do not allow water to be introduced into container contents.  
**Conditions for Safe Storage** : Store in original container only. Do not store this product near heat or open flame. Do not store or ship this product with oxidizing agents.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found  
**Appropriate Engineering Controls** : Local exhaust normally sufficient.  
**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** : Clear amber liquid, ammonia odor.  
**Flash Point, °F** : >200 Degrees F.  
**Boiling Point, °F** : 225 Degrees F.  
**Melting Point(Freezing point), °C** : Not applicable  
**Vapor Pressure, mm Hg @ 20 °C** : No data available  
**Vapor Density** : Not determined  
**Solubility in Water** : Soluble  
**Molecular Formula** : Not applicable, formulated mixture.  
**Density, g/mL @ 25 °C** : 1.18  
**Evaporation Rate(Butyl Acetate = 1)** : Not determined  
**Octanol/Water Partition Coefficient** : No information found  
**pH** : 5 to 8  
**Flammable Limits (approximate volume % in air)** : Not applicable



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**Auto-ignition Temperature** : Not applicable  
**Decomposition temperature** : No information found

### 10. Stability and Reactivity

**Reactivity** : No information found  
**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : Carbon monoxide and carbon dioxide from burning.  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : Do not mix with alkalines.  
**Incompatible Materials** : Keep away from strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : >5,000 mg/kg (rat). May be harmful if swallowed.  
**Acute Toxicity (Dermal LD50)** : >5,000 mg/kg (rat). May be harmful in contact with skin.  
**Acute Toxicity Inhalation LC50** : No data available. Mist may irritate the respiratory tract. May be harmful if inhaled.  
**Likely Routes of Exposure** : Skin, eyes  
**Skin Irritation** : Well-defined erythema and moderate to severe edema were evident at all 3 dose sites. By day 7, all animals were free from erythema and edema.  
**Eye Irritation** : Severity of irritation - 1 hour=13.7; 4 days=0.0 (rabbit)  
**Skin Sensitization** : Not a sensitizer  
**Carcinogenic** : Not listed by IARC, NTP or OSHA.  
**Chronic Effects** : No data available  
**Other Hazards** : No information found

### 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  
**Transport in Bulk** : None



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**Special Precautions for Transportation** : None

**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: 0 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** : 21-April-2015