



# Safety Data Sheet

Report Date 09-Apr-15

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## 1. Identification

**Product Name** : STRIKE ZONE DF  
**Synonyms** : None  
**Product Use** : Drift Control Agent 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 (no symbol)  
**Skin Irritation** : All animals remained free from dermal irritation; PDII score: 0.0; Non-irritating to the skin.  
**Eye Irritation** : Severity of irritation day 4: 0.0; Mildly irritating to the eye.  
**Acute Toxicity Oral** : LD50 >5,000 mg/kg (rat)  
**Acute Toxicity Dermal** : LD50 >5,000 mg/kg (rabbit)

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

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

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Complex carbohydrate polymer, alcohol ethoxylate, polyoxyethylene-polyoxpropylene copolymer	Proprietary	92.0
Constituents ineffective as spray adjuvants	Nonhazardous	8.0

## 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 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. 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. If contact is made with a spray solution containing pesticides, follow the "Statement of Practical Treatment/First Aid" on the pesticide label(s).

## 5. Fire Fighting Measures



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- Extinguishing Media** : Use alcohol foam, dry chemical, and carbon dioxide extinguishing agents. Water may be ineffective.
- Specific Hazards Arising from the Chemical** : None currently known.
- Special Fire Fight Proc** : Use positive pressure self-contained breathing apparatus and full fire fighting clothing. Stay upwind and fight fire at a safe distance.

### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Chemical goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator with organic vapor cartridge if needed. Eyewash station should be available in work area.
- Emergency Procedures** : Wear skin and eye protection during cleanup.
- Methods and Materials for Containment and Cleanup** : Sweep up and recover or mix with a moist absorbent and shovel into a chemical waste container for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Do not contaminate water, feed or food by storage, handling or disposal. Keep packages tightly closed and do not allow water to be introduced to container contents.
- Conditions for Safe Storage** : Store in original container only. Do not store this product near heat or open flame.

### 8. Exposure Controls / Personal Protection

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

### 9. Physical and Chemical Properties

- Odor/Appearance** : Light yellow granules; no odor information.
- Flash Point, °F** : >250 degrees F. (TCC)
- Boiling Point, °F** : >300 degrees F.
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : No information found
- Vapor Density** : No information found
- Solubility in Water** : 100% @ 25 Degrees C.
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.35 mg/L at 25 Degrees C.
- Evaporation Rate(Butyl Acetate = 1)** : Not applicable
- Octanol/Water Partition Coefficient** : No information found
- pH** : 9.9-10.6 (0.25%)
- Flammable Limits (approximate volume % in air)** : No information found
- Auto-ignition Temperature** : >750 degrees F.
- 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** : Avoid dusting conditions, extreme heat, open flame, spark and static electricity.
- Incompatible Materials** : Avoid contact with strong oxidizers.

### 11. Toxicological Information

- Acute Toxicity (Oral LD50)** : >5,000 mg/kg (rat)
- Acute Toxicity (Dermal LD50)** : >5,000 mg/kg (rabbit)
- Acute Toxicity Inhalation LC50** : >2.12 mg/L (rat)
- Likely Routes of Exposure** : Skin, eyes, inhalation.
- Skin Irritation** : All animals remained free from dermal irritation. PDII score: 0.0; non-irritating to the skin.
- Eye Irritation** : Severity of irritation, day 4: 0.0; mildly irritating to the eye.
- Skin Sensitization** : Sensitivity response index=0.0; not a contact sensitizer.
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : None currently known.
- 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
- Transport in Bulk** : No information found
- Special Precautions for Transportation** : No information found
- 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 :** 09-April-2015