

## Material Safety Data Sheet

Product Name: DYNAMARK FOAM DYE RED LIQUID

### Section 1 - Manufacturer Identification

Manufactured For: Winfield Solutions, LLC Address: P.O. Box 64589, St Paul, MN 55164-0589  
Medical Emergency Phone: (877) 424-7452  
Emergency Phone (Spills and Transportation): Chemtrec (800) 424-9300  
Date Prepared: 02/16/09

### Section II - Hazardous Ingredients/SARA III Information

Hazardous Components	CAS	OSHA/PEL	ACGIH TLV	Weight %
Acetic Acid	64-19-7	8hr 10ppm	8hr 10ppm	33
Dye (Basic Violet 10)	64381-99-3	NE	NE	Prop

\*\*\*No toxic chemical(s) subject to the reporting requirement of SARA Title III Section 313 and of 40 CFR 372 are present\*

\*\*\*Acetic acid is a CERCLA hazardous waste with a reporting requirement quantity of 5,000 pounds. See Section VII for more details\*\*\*

### Section III – Physical/Chemical Characteristics

Boiling Point:	212 <sup>0</sup> F	Specific Gravity: (H <sub>2</sub> O = 1):	1.03
Vapor Density:	Heavier than air	Evaporation Rate:	Of water
Solubility In Water:	Soluble pH: 2.91	Appearance and Odor:	Deep red color, acetic odor

### Section IV - Fire and Explosion Hazard Data:

Flash Point: 109<sup>0</sup>F Method Used: TCC  
Flammable Limits in Air by Volume: Lower: 4 Upper: 16  
Extinguishing Media: Alcohol foam, CO<sub>2</sub>, dry chemical; water fog  
Firefighting Precautions & Hazards: Use NIOSH/MSHA approved self-contained breathing apparatus, turn out gear and non-sorptive clothing when extinguishing. Dilution of burning liquid with a water spray will reduce intensity of the flames. Water spray may be used to keep containers cool and to disperse a vapor cloud if fire not present, but may be ineffective in fire control. In a solid stream, water may scatter and spread fire.

Unusual Fire and Explosion Hazards: Hydrogen gas may be generated by the reaction of this product on many metals. Vapors heavier than air can flow to a source of ignition and flash back.

### Section V - Reactivity Data

Stability: Stable

Incompatibility (Materials to Avoid): Hydroxides, oxides, acetaldehyde, strong oxidizing agents, e.g. chromic acid, sodium peroxide, nitric acid; many metals, sulfuric acid, alkalis, carbonates, phosphates, amines, and phosphorous trichloride. High heat sources, sparks, open flames.

Hazardous Decomposition or Byproducts: When involved in a fire, burning organic pigments, dyes, and resin may evolve noxious fumes which may include carbon monoxide, nitrous oxides, acetic acid, free aromatic amine, or other toxic compounds depending on the chemical composition and combustion conditions. However, all of the water must be driven off first for this to occur.

**Hazardous Polymerization:** Will not occur.

### Section VI - First Aid Procedures and Health Hazard Data

Carcinogenicity NTP? No IARC Monographs? No

Existing Medical Conditions Generally Aggravated By Exposure: May provoke asthmatic responses in persons with asthma who are sensitive to airway irritants. Due to the potential for acetic acid to produce severe respiratory tract irritation, workers with pulmonary disease or with compromised pulmonary

function should have limited exposure to this material. May aggravate through irritation disorders of the skin and eyes.

**Effects of Overexposure:** Frequent repeated or prolonged contact with eyes or skin may result in irritation and burns in sensitized persons. The severity of reaction depends on duration of exposure and first aid procedures administered. Permanent eye injury and blindness may result. Inhalation of concentrated acetic acid mists or vapors is very irritating and may cause serious damage to the mucous membrane of the respiratory tract and the lungs, causing coughing and chest pain. Ingestion may result in severe gastric disturbances, including nausea, vomiting, and GI damage. Dermatitis and rough skin may result from typical repeated or prolonged contact. This product contains CI Basic Violet #10 which was carcinogenic to rats and mice in a lifetime feeding study. Pulmonary edema may result from extreme overexposure. May cause injury to the upper respiratory tract, skin, eyes, and teeth.

#### **DFDR**

#### **Material Safety Data Sheet**

**Eyes:** Immediately wash eyes with running water for 30 minutes. Get immediate medical attention.

**Skin:** Wash affected areas with water while removing contaminated clothing. Get immediate medical attention. Launder contaminated clothing before reuse.

**Inhalation:** Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

**Ingestion:** If swallowed, do not induce vomiting. This material is corrosive to the digestive tract. Gastric lavage, if performed, must be done with extreme caution. Dilute with water or milk and call a physician immediately. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. In mouth may cause erosion of teeth.

**Signs and Symptoms of Exposure:** Eyes and/or skin may become irritated. Delayed breathing difficulties can occur.

### **Section VII - Precautions for Safe Handling and Use**

**Steps to be Taken in Case Material is Released or Spilled:** Eliminate all sources of ignition. Spills should be contained, solidified and placed in suitable containers for disposal in a RCRA licensed facility. If not diluted and neutralized, this material is RCRA hazardous due to its properties.

**Waste Disposal Method:** If not diluted and neutralized, this product can become a hazardous waste as designated by the Environmental Protection Agency under authority of the Resource Conservation and Recovery Act (RCRA). The waste would have RCRA hazardous waste number D002 (corrosive) as designated in 40 CFR 261.22 and D001 (ignitable) as designated in 40 CFR 261.21. Federal, state, and local regulations should be followed in disposing of this substance. The product is an EPA hazardous substance by terms of the Clean Water Act, Section 311, 40 CFR 116-117, with a reportable quantity of 5,000 lbs. Empty containers with less than one inch of concentrated residue may be landfilled at a RCRA licensed facility. Do not discharge directly into waterways. At a minimum, triple rinse containers after using.

**Precautions to be Taken in Handling and Storing:** Use under well-ventilated conditions at temperature below 100°F. For personal protection, we recommend washing thoroughly after handling product. Avoid unnecessary product handling and direct contact. Do not sniff product or breathe fumes. Eliminate all sources of ignition. Do not freeze. Product may corrode steel and copper containers.

**Other Precautions:** Eye wash fountains should be easily accessible. As with all chemicals, keep out of the reach of children.

### **Section IX - Shipping and Labeling Information**

**D.O.T. Shipping Paper Description:** Dye, liquid, N.O.S., (contains acetic acid), 8, (Corrosive), UN2801, PG II, limited quantity, dyes on colors, coal, tar, liquid in boxes.

**D.O.T. Hazard Classification Corrosive:** Corrosive

**D.O.T. Labels Required:** Corrosive

**D.O.T. Other Comments:** Orientation arrows are required on two opposite sides of case.

### **Section VIII - Control Measures**

**Respiratory:** If vapors or mists are generated, wear NIOSH/MSHA approved organic acid vapor/mist respirator.

**Ventilation:** Use local exhaust to control vapors/mists if applicable. Protection: NIOSH/MSHA approved respirator.

**Clothing:** Gloves, coveralls, apron, boots as necessary to prevent skin contact. The articles of clothing should be made of PVC, neoprene, or rubber.

**Eye:** Chemical goggles, wear face shield if splashing hazard exists.

**Other:** Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risk. Clean clothing should be worn daily to avoid possible long-term build up of the product leading to chronic overexposure.

### **Section X - Disclaimer**

The opinions expressed herein are those of qualified persons within Winfield Solutions, LLC. We believe the information contained here is current as of this Material Safety Data Sheet. Since the use of this product is not within the control of Winfield Solutions, LLC, it is the user's obligation to determine a safe end use of this product.