

Material Safety Data Sheet

Product Name: DYNAMARK U.V. BLUE SPRAY INDICATOR
DYNAMARK INDUSTRIAL COLORANT LIQUID

Section 1 - Manufacturer Identification

Manufactured For: Winfield Solutions, LLC Address: P.O. Box 64589, St Paul, MN 55164-0589
Emergency Phone: Chemtrec (800) 424-9300
Date Revised: 02/26/09
Replaces:

Section II - Hazardous Ingredients/SARA III Information

Hazardous Components	Occupational Exposure Limits	Vapor Pressure	Weight		
CAS Number	OSHA PEL	ACGIH TLV	TCSA	HG @ Temp	Percent

No reportable quantities of hazardous ingredients are present

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

Section III - Physical/Chemical Characteristics

Boiling Point:	100 ⁰ C	Specific Gravity: (H ₂ O = 1):	1.08
Vapor Density:	Heavier than air	Evaporation Rate:	Slower than ether
Solubility In Water:	Soluble	Appearance and Odor:	Blue liquid, no odor

Section IV - Fire and Explosion Hazard Data:

Flash Point: >200⁰F Method Used: TCC
Flammable Limits in Air by Volume: Lower: NA Upper: NA
Extinguishing Media: Foam, alcohol foam, CO₂, dry chemical; water fog
Firefighting Precautions & Hazards: Fire fighters should wear butyl rubber boots, gloves, and body suit and a NIOSH/MSHA self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Not a fire or explosion hazard when stored under normal conditions.

Section V - Reactivity Data

Stability: Stable

Conditions To Avoid: None

Incompatibility (Materials to Avoid): Mineral acids (i.e. sulfuric, phosphoric, etc.); alkalis (i.e. sodium or potassium hydroxide etc.) strong oxidizing agents, high heat sources, sparks, open flames.

Hazardous Decomposition Products: When involved in a fire, burning organic pigments, dyes, and resin may evolve nitrous fumes which may include carbon monoxide, nitrous oxides, acetic acid, or other toxic compounds depending on the pigment type. However, all of the water must be driven off first for this to occur.

Hazardous Polymerization: Will not occur.

Section VI - Health Hazard Data

Inhalation Health Risks and Symptoms of Exposure: Prolonged inhalation may lead to respiratory tract irritation.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Prolonged or repeated contact may result in mechanical irritation.

Skin Absorption Health Risks and Symptoms of Exposure: None expected. Temporary discoloration of skin may occur.

Ingestion Health Risks and Symptoms of Exposure: Ingestion of large quantities may be harmful.

Health Hazards (acute and chronic): None known.

Carcinogenicity: NTP? No. IARC Monographs? No. OSHA Regulated? No.

Existing Medical Conditions Generally Aggravated By Exposure: May provoke asthmatic response in

persons with asthma who are sensitive to airway irritants.

Emergency and First Aid Procedures:

Eyes: Flush with flowing water for at least 30 minutes. Call a physician.

Skin: Wash affected area with soap and water. If irritation develops consult a physician. Remove and launder contaminated clothing before reuse.

Inhalation: If inhaled, move to fresh air. If difficulty in breathing persists, administer oxygen and get immediate medical attention. **Ingestion:** If swallowed, dilute with water and induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

Section VII - Precautions For Safe Handling and Use

Steps To Be Taken in Case Material is Released or Spilled: Contain the spill to prevent discharge to surface streams or storm sewers. Since landfill operations will not accept liquid waste, allow to dry if possible before collecting for disposal. An absorbent material would aid in cleaning up a liquid spill. If liquid cleanup is necessary, collect in drums, buckets, or other containers. Scrub spill area with detergent, flush with copious amounts of water.

Waste Disposal Method: The environmental concern is discoloration of land or water. If possible, the product should be dried before disposal. Disposal must be made in accordance with federal, state, and local regulations.

Precautions To Be Taken in Handling and Storing: Local exhaust. Do not freeze. Avoid unnecessary skin contact. Do not breathe fumes.

Other Precautions: Eye wash fountains should be easily accessible

Section VIII - Control Measures

Respiratory: If vapors or mists are generated, wear NIOSH/MSHA approved organic 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.

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

Section IX - Shipping and Labeling Information

D.O.T. Shipping Data: Not regulated

D.O.T. Hazard classification: NA

D.O.T. Labels Required: NA

D.O.T. Identification: NA

Section X - Disclaimer

The opinions expressed herein are those of qualified persons with Winfield Solutions, LLC. We believe the information contained here is current as of the date 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.