

Safety Data Sheet

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least			Not regulated by the U.S. DOT as a hazardous material. See Section 14 for additional information.	
1	Slight	1	Health		
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
Product Name:	Dynamark® UV Blue
EPA Registration #:	Exempt
Product ID/Unity #:	60323615, 60323709
Common Name:	Blue agricultural spray marker
Chemical Description:	N/A
Recommended Uses:	Agricultural Coloring Component – See product label for full directions for use.
Restrictions for Use:	See product label for any potential use restrictions.
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW: Dark blue odorless liquid. Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling the product.	
POTENTIAL HEALTH EFFECTS: Eyes: May cause mild but reversible eye irritation. Skin: May cause mild but reversible skin irritation. Inhalation: May cause minor irritation of the upper respiratory tract. Ingestion: May cause minor irritation of the digestive tract. Preexisting Conditions: None known Chronic Health Effects: None known	
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: This product does not meet the definition of a hazardous substance under OSHA's Hazard Communication Standard.	
SIGNAL WORD: CAUTION	
HAZARD STATEMENTS: None required.	
Percent of product with unknown toxicity: 64%	
PRECAUTIONARY STATEMENTS: Prevention: See Section 8 for personal protective equipment. Response: See Section 4 for first aid information. Storage: See Section 7 for storage information. Disposal: See Section 13 for disposal information.	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	% (wt)	CAS Reg. #
Proprietary ingredients	100.0%	*
*Ingredients not specifically listed are non-hazardous and/or are considered to be confidential business information under 29 CFR 1910.1200(j).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES	
Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
Ingestion:	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Eyes:	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if eye irritation persists.
Skin:	Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if skin irritation persists.

SECTION 5: FIRE FIGHTING MEASURES	
Suitable Extinguishing Media:	Water spray or fog, dry chemical, carbon dioxide (CO ₂), foam
Unsuitable Extinguishing Media:	Water jet. Use a water jet only to cool heated containers.
Special Fire Fighting Procedures:	Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.
Hazardous Combustion Products:	Carbon oxides, nitrogen oxides, and sulfur oxides may be formed in a fire situation.
Unusual Fire and Explosion Hazards:	None known
Further information:	Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
Environmental Precautions:	Keep spilled product from entering sewers or waterways.
Methods and material for containment and cleaning up:	For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). For large amounts: Dike spillage. Pump off product. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

SECTION 7: HANDLING AND STORAGE	
Handling:	No special measures necessary if stored and handled correctly. Ensure adequate ventilation during handling and use. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Hands and/or face should be washed before breaks and at the end of the shift.
Storage:	Store in cool, dry areas away from children, food and feed products in an area away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire.
Further information on storage conditions:	Keep away from heat. Protect from direct sunlight. Protect from temperatures below: 5 °C Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time. Protect from temperatures above: 40 °C Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.
Other Precautions:	Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION			
Exposure Guidelines Component:	OSHA PEL	ACGIH TLV	NIOSH REL
No components listed			
Respiratory Protection: For most well-ventilated conditions, no respiratory protection should be needed. If used in a poorly ventilated area, use a NIOSH approved air-purifying respirator with cartridges/canisters approved for general particulates.			
Engineering Controls: Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.			
Protective Gloves: While not expected to cause skin irritation, the use of chemically protective gloves is recommended to prevent against skin contact.			
Eye Protection: While not expected to cause eye irritation, the use of chemical safety goggles is recommended to prevent against eye contact. Contact lenses are not protective eye devices.			
Other Protective Clothing or Equipment: Wear long-sleeve shirt, long pants and shoes plus socks to prevent skin contact.			
Work/Hygienic Practices: Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Physical State:	Liquid	Specific Gravity (H₂O=1):	1.1
Vapor Pressure (mm Hg):	approx.. 23.4 hPa (solvent)	Density (lbs/gallon):	9.18 lbs/gallon
Vapor Density (Air=1):	Not applicable	Melting Point/Freezing Point:	32°F (solvent)
Solubility in Water (wt %):	Soluble	Boiling Point/Range:	212°F (solvent)
Viscosity (centistokes):	Not determined	pH:	7.0 – 9.0
Appearance and odor:	Dark blue odorless liquid	Flash Point:	>212°F (100°C)
Partitioning coefficient n-octanol/water (log Pow):	The statements are based on the properties of the individual components.		
<i>Information on: glutaral</i>			
Partitioning coefficient n-octanol/water (log Pow):	-0.36 (23 °C)		(Directive 92/69/EEC, A.8)

SECTION 10: STABILITY AND REACTIVITY
Reactivity: None known
Chemical Stability: Product is stable at ambient temperature and pressure, under normal storage and handling conditions.
Possibility of Hazardous Reactions: Will not occur
Conditions to Avoid: Extreme temperatures
Incompatible Materials: Strong acids, strong bases, strong oxidizing agents
Hazardous Decomposition Products: None known

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Eye Effects: May cause mild but temporary eye irritation.
Skin Effects: May cause mild but temporary skin irritation. LD50 >5,000 mg/kg
Acute Inhalation Effects: LC50 >20.0 mg/L (vapor); LC50 >5.0 mg/L (mist)
Acute Oral Effects: LD50 >5,000 mg/kg
Specific Target Organ: None known
Toxicity:

CHRONIC TOXICITY

Chronic Effects: None known
Carcinogenicity: None known
Mutagenicity: None known
Teratogenicity: None known
Reproductive Toxicity: None known

POTENTIAL HEALTH EFFECTS:

Eyes: May cause mild but reversible eye irritation.
Skin: May cause mild but reversible skin irritation.
Inhalation: May cause minor irritation of the upper respiratory tract.
Ingestion: May cause minor irritation of the digestive tract.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: This product is anticipated to be harmful to aquatic life with long lasting effects.

ECOTOXICITY DATA:

Fish Acute and Prolonged Toxicity: Not determined
Aquatic Invertebrate Acute Toxicity: Not determined
Aquatic Plant Toxicity: Not determined
Bird Acute and Prolonged Toxicity: Not determined
Honeybee Toxicity: Not determined

ENVIRONMENTAL EFFECTS:

Soil Absorption/Mobility: Not determined
Persistence and degradability: Not determined
Bioaccumulative Potential: Not determined
Other adverse effects: Not determined

