

## Safety Data Sheet

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				
1	Slight	2	Health	Regulated for transport in quantities of 250 gallons or greater. (See Section 14 for additional information.)	
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
<b>Product Name:</b>	Sterling Blue®
<b>EPA Registration #:</b>	42750-209-1381
<b>Product ID/Unity #:</b>	10118125, 10118126, 10121152, 10123210, 10127635 (Check product packaging to ensure EPA registration number on package matches the number on this Safety Data Sheet)
<b>Common Name:</b>	Dicamba Herbicide
<b>Chemical Description:</b>	Diglycolamine salt of dicamba
<b>Recommended Uses:</b>	Agricultural Herbicide. See product label for complete list of recommended uses and use site.
<b>Restrictions for Use:</b>	See product label for information regarding restrictions on the use of this product.
<b>Manufactured For:</b> WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	<b>MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs)</b>  <b>Non-Emergency Business Inquiries: 1-855-494-6343</b> Mon – Fri 8am – 5pm (Central Standard Time)
<b>FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)</b>	

SECTION 2: HAZARDS IDENTIFICATION	
<b>EMERGENCY OVERVIEW:</b> Clear blue liquid with mild antiseptic odor. Moderate eye irritant. Harmful if swallowed or absorbed through the skin. May release toxic fumes if burned.	
<b>POTENTIAL HEALTH EFFECTS:</b>	
<b>Eyes:</b> May cause moderate but temporary eye irritation.	
<b>Skin:</b> May cause mild irritation to the skin.	
<b>Inhalation:</b> Relatively non-toxic after short-term exposure.	
<b>Ingestion:</b> Harmful if swallowed.	
<b>Preexisting Conditions:</b> Individuals with pre-existing diseases of the respiratory system, skin and eyes may have increased susceptibility to excessive exposures	
<b>Chronic Health Effects:</b> See Section 11 for additional information	
<b>Carcinogenicity</b>	NTP: Not listed                      IARC: Not listed                      OSHA: Not listed
<b>OSHA HCS 2012 CLASSIFICATION:</b> Not yet determined	
<b>SIGNAL WORD:</b> Not yet determined	
<b>HAZARD STATEMENTS:</b> Not yet determined	
<b>Percent of product with unknown toxicity:</b> 0%	
<b>PRECAUTIONARY STATEMENTS:</b>	
<b>Prevention:</b>	Not yet determined
<b>Response:</b>	Not yet determined
<b>Storage:</b>	Not yet determined
<b>Disposal:</b>	Not yet determined

<b>SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS</b>		
<b>Ingredient</b>	<b>% (wt)</b>	<b>CAS Reg. #</b>
Dicamba Diglycolamine Salt	56.8%	104040-79-1
Proprietary Ingredients	43.2%	
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(j).		
See Section 8 for exposure limits.		

<b>SECTION 4: FIRST AID MEASURES</b>	
<b>Inhalation:</b>	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
<b>Ingestion:</b>	Seek medical attention or call a poison control center immediately. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.
<b>Eyes:</b>	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.
<b>Skin:</b>	Remove contaminated clothing and wash before re-using them. Flush skin with water, and then wash with soap and water. Seek medical attention if skin becomes irritated.

<b>SECTION 5: FIRE FIGHTING MEASURES</b>	
<b>Suitable Extinguishing Media:</b> Use foam, dry powder, carbon dioxide, water spray	
<b>Special Fire Fighting Procedures:</b> 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.	
<b>Hazardous Combustion Products:</b> Hydrogen chloride, oxides of nitrogen and carbon	
<b>Unusual Fire and Explosion Hazards:</b> None known.	

<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal Precautions:</b> Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.	
<b>Environmental Precautions:</b> Do not release product into soil/subsoil or let it enter sewer or waterways.	
<b>Methods for Containment:</b> Contain spilled liquid by diking area with sand or earth.	
<b>Methods for Clean-up:</b> Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop or sweep up material and place in a container for disposal. Do not place spilled material back in original container. After decontamination, spill area may be washed with water. Collect wash water for approved disposal.	
<b>Other Information:</b> None known.	

<b>SECTION 7: HANDLING AND STORAGE</b>	
<b>Handling:</b> RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the pesticide product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. 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	
<b>Storage:</b> Store in cool, dry area away from children, feed and food products in an area away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire. Maintain product above minimum storage temperature.	
<b>Minimum Storage Temperature:</b> Protect from temperatures below 0°C (32°F). Protect from temperatures above 40°C (104°F). Changes in the properties of the product may occur if substance/product is stored below or above indicated temperatures.	
<b>Other Precautions:</b> Consult product label for additional information pertaining to product storage.	

<b>SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b>			
Exposure Guidelines			
Component:	OSHA PEL	ACGIH TLV	NIOSH REL
No components have specific exposure limits.			
<b>Respiratory Protection:</b> Wear supplied air respiratory protection if inadequate ventilation. For environments where oxygen levels are adequate, wear a NIOSH-certified (or equivalent) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapors.			
<b>Engineering Controls:</b> <b>Local Exhaust:</b> Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.			
<b>Protective Gloves:</b> Wear chemical resistant gloves. <b>Eye Protection:</b> To avoid contact with eyes, wear chemical goggles or safety glasses and full-face shield. Contact lenses are not eye protective devices. An emergency eyewash or water supply should be readily accessible to the work area. <b>Other Protective Clothing or Equipment:</b> Wear long sleeve shirt, long pants and shoes plus socks to prevent prolonged or repeated skin exposure.			
<b>Work/Hygienic Practices:</b> 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.			

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>Physical State:</b>	Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.20 – 1.25 g/mL @ 20°C
<b>Vapor Pressure (mm Hg):</b>	18 mmHg	<b>Density (lbs/gallon):</b>	10.1 – 10.4
<b>Vapor Density (Air=1):</b>	Not determined	<b>Freezing Point:</b>	Not determined
<b>Solubility in Water (wt %):</b>	Soluble	<b>Boiling Point/Range:</b>	Not determined
<b>Viscosity, Dynamic:</b>	Not determined	<b>pH (undiluted):</b>	7.0 – 7.5
<b>Appearance and odor:</b>	Clear blue with mild antiseptic odor	<b>Flash Point:</b>	Not combustible

<b>SECTION 10: STABILITY AND REACTIVITY</b>
<b>Reactivity:</b> None known.
<b>Chemical Stability:</b> Product is stable at ambient temperature and pressure, under normal storage and handling
<b>Possibility of Hazardous Reactions:</b> Will not occur.
<b>Conditions to Avoid:</b> Avoid all sources of ignition: heat, sparks, and open flame. Avoid prolonged storage. Avoid electro-static discharge. Avoid contamination. Avoid prolonged exposure to extreme heat. Avoid extreme temperatures.
<b>Incompatible Materials:</b> Strong acids, strong bases, strong oxidizing agents.
<b>Hazardous Decomposition Products:</b> None expected, if stored and handled as indicated. Possible thermal decomposition products in the event of exposure to heat or fire include: carbon monoxide, carbon dioxide, hydrogen chloride, nitrogen oxide, and nitrogen dioxide

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>	
<b>ACUTE TOXICITY</b>	
<b>Eye Effects:</b>	May cause moderate but temporary irritation to the eyes. (rabbit)
<b>Skin Effects:</b>	May cause mild irritation to the skin. (rabbit); Sensitizing effects were not observed in animal studies; LD50 >2,000 mg/kg (rats)
<b>Acute Inhalation Effects:</b>	LC50 >5.2 mg/L at 4 hours (rats)
<b>Acute Oral Effects:</b>	LD50 3,500 mg/kg (rats)
<b>Specific Target Organ Toxicity:</b>	None known
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<b>CHRONIC TOXICITY</b>	
<b>Chronic Effects:</b>	Not determined
<b>Carcinogenicity:</b>	(Dicamba) Carcinogenic effect was not observed in long-term studies in rats and mice in which the substance was given by feed.
<b>Mutagenicity:</b>	(Dicamba) No indication substance is a mutagenic.
<b>Teratogenicity:</b>	(Dicamba) Causes developmental effects in animals at high, maternally toxic doses.
<b>Reproductive Toxicity:</b>	(Dicamba) Results of animal studies gave no indication of a fertility impairing effect.
<b>POTENTIAL HEALTH EFFECTS:</b>	
<b>Eyes:</b>	May cause moderate but temporary eye irritation.
<b>Skin:</b>	May cause mild irritation to the skin.
<b>Inhalation:</b>	Relatively non-toxic after short-term exposure.
<b>Ingestion:</b>	Harmful if swallowed.

<b>SECTION 12: ECOLOGICAL INFORMATION</b>	
<b>ENVIRONMENTAL SUMMARY:</b> DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on the label. This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.	
<b>ECOTOXICITY DATA:</b>	
<b>Fish Acute and Prolonged Toxicity:</b>	(Dicamba) Rainbow trout LC50 (96 hr.) 135 mg/L; Bluegill LC50 (96 hr.) 135 mg/L
<b>Aquatic Invertebrate Acute Toxicity:</b>	Not determined
<b>Aquatic Plant Toxicity:</b>	Not determined
<b>Bird Acute and Prolonged Toxicity:</b>	Mallard duck LD50: 2,000 mg/kg
<b>Honeybee Toxicity:</b>	Non-toxic
<b>ENVIRONMENTAL EFFECTS:</b>	
<b>Soil Absorption/Mobility:</b>	Not determined
<b>Persistence and degradability:</b>	Not readily biodegradable
<b>Bioaccumulative Potential:</b>	Not determined
<b>Other adverse effects:</b>	None known

<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>	
<b>Waste:</b> Dispose of in accordance with applicable Federal, state and local laws and regulations.	
<b>Container:</b> Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations. <b>See pesticide product label for full instructions on disposal.</b>	
<b>RCRA Characteristics:</b> It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.	

<b>SECTION 14: TRANSPORT INFORMATION</b>	
<b>DOT: (Ground)</b>	Not regulated by U.S. Department of Transportation as a hazardous material in quantities less than 250 gallons. For packages greater than or equal to 250 gallons: UN3082, Environmentally hazardous substance, liquid, n.o.s. (Dicamba), 9, PG, III
<b>IMDG: (Sea)</b>	Classification not determined.
<b>IATA: (Air)</b>	Classification not determined.
<b>TDG: (Canada)</b>	Classification not determined.

**Section 15—Regulatory Information**

**TSCA Inventory:** This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

**SARA Title III Information:**

**Section 302 - Extremely hazardous substances:** None

**Section 311/312 – Hazard Categories:** Immediate health

**Section 313 –** The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

Dicamba (CAS #1918-00-9) 56.8%

**CERCLA –** This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

Dicamba (CAS #1918-00-9) RQ = 1,000 lbs (reached with 250 gallons of product)

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

**CAUTION**

Causes moderate eye irritation.

Harmful if swallowed or absorbed through skin.

Avoid contact with skin, eyes or clothing.

**California Proposition 65:** None Listed

**U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):**

**Chemical Name**

**CAS #**

**State(s)**

Dicamba

1918-00-9

MA, NJ, PA, RI

**Canadian Domestic Substances List:** Not determined. Product is not registered for sale in Canada.

**WHMIS Classification:** Not determined. Product is not registered for sale in Canada.

**Section 16—Other**

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**Sections Revised:** All