

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name: Turf Mark Blue

Product Code: BUI/TMBLUE

Manufacturer Information: Becker Underwood, Inc.
801 Dayton Avenue
Ames, Iowa 50010
Information Phone: (515) 232-5907
Emergency Phone: Chemtrec (800) 424-9300

Hazardous Material Information System:

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	X

Section 2. Hazards Identification

This product **is not** considered hazardous under The Hazard Communication Standard 29 CFR 1910.1200

Emergency Overview: May cause respiratory tract, eye, and skin irritation.

Potential Acute Health Effects:

Eyes: Short term harmful effects are not expected. However, prolonged or repeated contact may result in irritation.

Skin: Short term harmful effects are not expected. However, prolonged or repeated contact may result in mechanical irritation.

Inhalation: Short term harmful effects are not expected. However, exposure to vapors or mist may cause coughing or wheezing when inhaled.

Ingestion: Not an intended route of exposure. Short term harmful effects are not expected. However, Ingestion of large quantities may be harmful.

Section 3. Composition/Information on Ingredients

Component	CAS Number
Proprietary water based mixture/dispersion	Proprietary

The exact composition of this material is a trade secret and contains no other components or impurities which will influence the classification with regard to human and environmental risk assessment.

Section 4. First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes.

Skin Contact: Wash with soap and water. If irritation develops seek medical attention.

Inhalation: Move to fresh air. Seek medical attention if irritation develops.

Ingestion: Seek medical attention.

Section 5. Fire Fighting Measures

- Flammability of Product:** Not a fire or explosion hazard.
- Fire Fighting Media:** Foam, alcohol foam, CO₂, dry chemical, water fog.
- Fire Fighting Precautions and Hazards:** No special equipment needed beyond standard firefighting equipment and procedures.

Section 6. Accidental Release Measures

- Clean-Up Procedures:** Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled and closed container. Dispose of collected material according to federal, state, and local regulations.
- Spills and Leaks:** Contain the spill or leak to prevent discharges to surface streams or storm sewers. This material is a concentrated colorant. Small quantities will color large volumes of liquids.

Section 7. Handling and Storage

- Handling:** Avoid breathing mist. General mechanical ventilation can be expected to effectively remove and prevent build up of any vapor or mist generated from handling this product in a closed environment. Protect eyes to prevent contact. Avoid prolonged or repeated exposure to skin.
- Storage:** Store between 5° and 40°C. Do not freeze. Keep container in a dry place. Keep containers sealed until ready for use.

Section 8. Exposure Control/Personal Protection

Occupational Exposure Limits

Component	CAS Number	OSHA PEL	ACGIH TLV	Weight Percent
Proprietary mixture	not applicable	None established	None established	100 %

- Engineering controls:** General mechanical ventilation can be expected to effectively remove and prevent build up of any vapor or mist generated from handling this product in a closed environment.
- Personal Protection:**
- Eyes:* Wear safety glasses. Wear additional eye protection such as chemical goggles or face shield if splashing or spraying hazard exists. Have an eye wash station available.
 - Body:* To prevent skin contact wear long-sleeved shirt and long pants; shoes plus socks.
 - Hands:* Avoid skin contact by using waterproof gloves.
 - Respiratory:* Use local exhaust to control excessive vapors/mists. If excessive vapors or mists are persist use appropriate NIOSH/MSHA approved organic vapor/mist respirator
- Other:** Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks. Clean clothing should be worn daily to avoid possible long-term build up of the product leading to chronic overexposure.

Section 9. Physical and Chemical Properties

Odor	Slight Odor	Vapor Density	Heavier than air
Color	Dark Blue	Evaporation Rate	Slower than ether
Physical state	Liquid	Density (lbs/gal)	Not Available
pH	6.75-8.75	Solubility	Water soluble
Melting/Freezing Point	Not available		

Section 10. Stability and Reactivity

Chemical Stability:	This material is stable under normal storage and handling conditions.
Hazardous Decomposition:	When involved in a fire, burning may evolve noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides, acetic acid, 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:	Is not known to occur.
Incompatibility (Materials and conditions to Avoid):	Long term storage in direct contact with reactive metals such as aluminum, zinc, copper, nickel, magnesium, etc. Other materials to avoid include strong oxidizing agents. Avoid extremes in temperature.

Section 11. Toxicological Information

Chronic Toxicity:	None known
Mutagenic Effects:	None known
Teratogenic Effects:	None known
Developmental Toxicity:	None known
Acute Effects on Humans:	May cause skin, eye, and respiratory irritation.
Sensitization:	Repeated or prolonged exposure to the substance at concentration above the exposure limits may cause respiratory tract and lung sensitization.
Carcinogenic Effects:	This material is not known to cause cancer in animals or humans.
Existing Medical Conditions Aggravated By Exposure:	May provoke asthmatic response in persons with asthma who are sensitive to airway irritants.

Section 12. Ecological Information

Ecotoxicity:	No data available, however the material is not expected to have any deleterious toxic effect.
Environmental Fate:	No data available regarding the environmental fate or biodegradation.

Section 13. Disposal Considerations

EPA Waste Number:	Not a hazardous waste.
Product and container disposal:	Follow label directions. Dispose of according to all federal, state/provincial and local environmental regulations.

Section 14. Transport Information

D.O.T. Classification: Not regulated
IMO/IMDG Classification: Not regulated
IATA Classification: Not regulated

Section 15. Regulatory Information

US Federal Regulations:

TSCA Toxic Substances Control Act	All ingredients are listed or exempt from the requirement.
SARA Superfund Amendment and Reauthorization Act	
EPCRA Emergency Planning & Community Right-to-Know Act	
Section 302 Extremely Hazardous Substances	None of the chemicals in this product are listed.
Section 311 and 312 Hazards	<i>Acute:</i> No <i>Chronic:</i> No <i>Fire:</i> No <i>Pressure:</i> No <i>Reactive:</i> No
Section 313 Toxic Chemical Release Inventory	No reportable quantities of toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372 are present
CERCLA Hazardous substances	None of the chemicals in this product have an RQ.
Clean Air Act	This material does not contain any hazardous air pollutants, nor any Class 1, 2 ozone depleters.
Clean Water Act	None of the chemicals in this product are listed as Hazardous Substances, Priority or Toxic Pollutants under the CWA.
California Proposition 65 Carcinogens & Reproductive Toxicity (CRT) List:	This product is not subject to warning labeling under California Proposition 65.

OSHA Regulatory Status: This product is not considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

Section 16. Other Information

Hazardous Material Information System:

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	X

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