

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name: COLORFAST® PURPLE
Product Code: BUI/CFASPURPLE
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	2
Flammability	1
Physical Hazard	1
Personal Protection	X

Section 2. Hazards Identification

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

Potential Acute Health Effects: This liquid is expected to be corrosive.

Eyes: Eye contact may result in burns and permanent injury.

Skin: Exposure to unprotected skin areas may cause temporary staining. Skin contact with the liquid may result in dermatitis and burns.

Inhalation: Severe inhalation overexposures to acetic acid may result in pulmonary edema. Inhalation of the vapors or mists causes irritation of the respiratory tract and inflammation of the lungs may result.

Ingestion: Ingestion may cause moderate to severe gastric irritation including nausea, vomiting, and severe pain. Ulceration or perforation of the gastrointestinal tract may also occur.

Section 3. Composition/Information on Ingredients

Component	CAS Number	Weight Percent
Acetic Acid*	64-19-7	~30 %
Colorant mixture	Proprietary	Proprietary
Water	7732-18-5	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. Get immediate medical attention.

Skin Contact: Immediately wash affected area with soap and water. Get immediate medical attention. Remove and launder contaminated clothing before reuse.

Inhalation: If difficulty in breathing occurs, move to fresh air. Seek medical attention.

Ingestion: Seek immediate medical attention. Dilute with water. DO NOT INDUCE VOMITING.

Section 5. Fire Fighting Measures

Flammability: Not a fire or explosion hazard when stored under normal conditions. At temperatures above 109°F, acetic acid gives off vapors which may form an explosive mixture with air.

Fire Fighting Media: Foam, alcohol foam, CO2, dry chemical, water fog.

Protective Clothing: No special protective clothing required in addition to standard fire fighting equipment.

Section 6. Accidental Release Measures

- Clean-Up Procedures:** Spills should be contained, solidified and placed in suitable containers for disposal in a licensed facility. This material is regulated by CERCLA ("Superfund"). Dispose of collected material according to federal, state/provincial and local environmental 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 in contaminated water solutions will color large volumes.

Section 7. Handling and Storage

- Handling:** Avoid breathing fumes. 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 skin contact.
- Storage:** Keep container in a dry place inaccessible to children and pets at temperatures above freezing. Keep containers sealed until ready for use.

Section 8. Exposure Control/Personal Protection

Hazardous Components		Occupational Exposure Limits	
Component	CAS Number	OSHA PEL	ACGIH TLV
Acetic Acid*	64-19-7	10 ppm	TWA 10ppm, STEL 15ppm
Colorant mixture	Proprietary	Not established	Not established
Water	7732-18-5	Not established	Not established

*Acetic Acid is a CERCLA hazardous waste with a reporting quantity of 5000 pounds.

- 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 with side shields. 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 coveralls, apron, boots, or lab coat.
 - Hands:* Avoid skin contact by using chemically resistant gloves.
 - Respiratory:* Use local exhaust to control excessive vapors/mists. If excessive vapors or mists 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	Acetic acid odor	Vapor Density	Heavier than air
Color	Dark purple	Evaporation Rate	Slower than ether
Physical state	Liquid	Density	8.85-9.1 lbs/gal
pH	2-3	Solubility	Water soluble
Melting/Freezing Point	NA		

Section 10. Stability and Reactivity

Chemical Stability:	This material is chemically 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.
Hazardous Polymerization:	Is not known to occur.
Incompatibility (Materials 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.
Conditions to Avoid:	High humidity. Extremes in temperature. At temperatures above 109°F, acetic acid gives off vapors which may form an explosive mixture with air.

Section 11. Toxicological Information

Chronic Toxicity:	None known
Mutagenic Effects:	None known
Teratogenic Effects:	None known
Developmental Toxicity:	None known
Acute Effects on Humans:	This liquid is expected to be corrosive.
Sensitization:	Repeated or prolonged exposure to the substance at concentration above the exposure limits may cause respiratory tract and lung sensitization.
Carcinogenic Effects:	None known.
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:	Non-hazardous waste
Treatment:	Dispose of according to all federal, state/provincial and local environmental regulations.

Section 14. Transport Information

D.O.T. Proper Shipping Name & Description:	UN 2790, ACETIC ACID SOLUTION, 8, PGIII, LTD QTY
D.O.T. Hazard Classification:	8
D.O.T. Labels Required:	8, Corrosive
D.O.T. Identification:	UN 2790
D.O.T. Packing Group:	PG III
Limited Quantity Exceptions:	Less than 30 kgs gross weight; inner packages not to exceed 5 liters net capacity.

Section 15. Regulatory Information

Hazardous Material Information System III:

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> Yes <i>Chronic:</i> Yes <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	Acetic Acid is a CERCLA hazardous waste with a reporting quantity of 5000 pounds.
Clean Air Act	This material does not contain any hazardous air pollutants, nor any Class 1, 2 ozone depletors.
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:	No ingredients in this product are known in the State of California to cause cancer or birth defects
OSHA Regulatory Status:	This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

Section 16. Other Information

Revision	6
Date	June 29, 2011
Supersedes	November 4, 2010
Created By:	GF

Hazardous Material Information System:

Health	2
Flammability	1
Physical Hazard	1
Personal Protection	X

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