Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name: Flo Rite® 1197
Product Code: BUI/FLORITE1197
Effective Date: January 29, 2009

Manufacturer Information:
Becker Underwood, Inc.
801 Dayton Avenue
Ames, Iowa 50010
Information Phone: (515) 232-5907
Emergency Phone: Chemtrec (800) 424-9300 or 703 527 3887 (international)

Hazardous Material Information System:

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	X

Section 2. Hazard Identification

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

Potential Acute Health Effects:

Eyes: Prolonged or repeated contact may result in mechanical irritation. Methanol can cause burning sensations, tearing, redness, or swelling of the eye. This product contains less than 4% methanol.

Skin: Upon prolonged or repeated contact, methanol absorption may occur and produce toxic effects similar to those resulting from inhalation exposure.

Inhalation: Prolonged inhalation may lead to respiratory tract irritation, headache and nausea. This product contains less than 4% methanol. Short-term exposure to high levels of methanol vapor may cause CNS depression. Symptoms include nausea, drowsiness, vertigo, fatigue, convulsions, unconsciousness and death, depending on exposure duration.

Ingestion: Ingestion of large quantities may be harmful. Ingestion of methanol, even in small amounts, can cause blindness and death. Methanol metabolism causes systematic acidosis resulting in damage to the optic nerve. Symptoms may be delayed.

Section 3. Composition/Information on Ingredients

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

Component	CAS Number	Weight Percent
Water and pigment based mixture	Proprietary	Proprietary

Section 4. First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Prolonged or repeated contact may result in mechanical irritation.
Skin Contact: Wash with soap and water.
Inhalation: Move to fresh air. Seek medical attention if irritation develops.
Ingestion: Seek medical attention. Methanol is rapidly absorbed, so it is advisable to induce vomiting as soon as possible upon ingestion.

Section 5. Fire Fighting Measures

Flammability of Product: Not a fire or explosion hazard when stored under normal conditions.

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

Protective Clothing: This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a moderate fire hazard. No special procedures required besides standard fire fighting 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/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 dye/pigment. 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 prolonged or repeated exposure to skin.

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**	**Weight Percent**
Filler pigments*	Prop.	20mppcf	3 mg/m^3	5-15%
Filler pigments*	Prop.	15 mg/m^3	10 mg/m^3	0-10%
Methanol(Methyl Alcohol)*	67-56-1	200 ppm 260 mg/m^3	200 ppm TWA 250 ppm STEL	~4%
*Dust limits for filler pigments are applicable for dried product only.				
*Methanol (methyl alcohol) is subject to the reporting requirements of SARA Title III Section 313 and 40 CFR 372 with a de minimis concentration of 1.0%. Methanol is also subject to the reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) at a reportable quantity of 5000 lbs.				

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: No respiratory protection required under normal conditions of use. 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	Pearlescent	**Evaporation Rate**	Slower than ether
Physical state	Liquid	**Specific Gravity (H_20 = 1)**	1.0-1.1 g/mL
pH	7-8	**Solubility**	Dispersible
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. However, all of the water must be driven off first for this to occur.

Hazardous Polymerization: Is not known to occur.

Incompatibility (Materials to Avoid): Avoid extremes in temperature, high heat sources, sparks, open flames. 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.

Section 11. Toxicological Information

Chronic Toxicity: None known

Mutagenic Effects: None known

Teratogenic Effects: None known

Developmental Toxicity: Rodent studies have shown that high-level exposure to methanol impairs neural tube closure and induces other birth defects

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. Personnel with pre-existing CNS disease, skin disorders, impaired liver or kidney function, or chronic respiratory diseases should avoid exposure to methanol.

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. Classification: Not regulated
IMO/IMDG Classification: Not regulated
IATA Classification: Not regulated

Section 15. Regulatory Information

US Federal Regulations:

SARA 302/304/311/312 extremely hazardous substances:	No products were found.
SARA 302/304 emergency planning and notification:	No products were found.
SARA 302/304/311/312 hazardous chemicals:	No products were found.
SARA 311/312 MSDS distribution – chemical inventory – hazard identification:	No products were found.

SARA 313: Methanol (methyl alcohol) is subject to the reporting requirements of SARA Title III Section 313 and 40 CFR 372 with a de minimis concentration of 1.0%. Methanol is also subject to the reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) at a reportable quantity of 5000 lbs.

Regulatory Listings
United States (TSCA): Listed

Section 16. Other Information

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