

1. IDENTIFICATION of SUBSTANCE and COMPANY

Product Name: Bloo Moose™ Staining Solution

Catalog Number: CE0730

Company Name: KeraFAST, LLC

Address: 391 Technology Way, Suite 168
Winston-Salem, NC 27101
USA

Info Phone Num: 800.546.1760

**24 Hour Emergency
Phone Number:** +1-617-336-3228 (US and International)

2. HAZARDS IDENTIFICATION

Emergency Overview:

Flammable
Toxic if swallowed
Toxic in contact with skin
Toxic by inhalation
Possible risk of irreversible effects.

Potential Health Effects:

Eyes – May cause eye irritation with susceptible persons.
Skin – Components of the product may be absorbed into the body through the skin.
Toxic in contact with skin.
Inhalation – Toxic by inhalation.
Ingestion – Toxic if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components:

Reagent A:

Chemical Name	CAS-No	Weight %
Methanol	67-56-1 55	15-30%
Phosphoric Acid	7664-38-2	2.5-5%
Water	7732-18-5	40-60%

Reagent B:

Chemical Name	CAS-No	Weight %
Ammonium Sulfate	7783-20-2	40-70%
Water	7732-18-5	30-60%

4. FIRST AID MEASURES

- Skin contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
- Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
- Ingestion:** Clean mouth with water and afterwards drink plenty of water. Immediate medical attention is required.
- Inhalation:** Move to fresh air in case of accidental inhalation of vapours or decomposition products. If not breathing, give artificial respiration. Toxic by inhalation.
- Notes to physician:** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media:** Dry chemical
- Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Use personal protective equipment
- Methods for cleaning up:** Soak up with inert absorbent material.

7. HANDLING AND STORAGE

- Handling:** Avoid contact with skin and eyes.
- Storage:** Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure limits:**

Chemical Name	CAS-No	OSHA PEL
Methanol	67-56-1 55	200 ppm, 260 mg/m ³
Phosphoric Acid	7664-38-2	1 mg/m ³
Ammonium Sulfate	7783-20-2	Not established

Engineering measures: Ensure adequate ventilation, especially in confined areas

Personal protective equipment:

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment

Hand protection: Protective gloves

Eye protection: Safety glasses with side-shields

Skin and body protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Form: Liquid

Color: Reagent A – Blue, Reagent B – Clear

Odor: Strong chemical odor

Important Health Safety and Environmental Information:

Boiling Point/Range: 64° C

Melting Point/Range: N/A

Flash Point/Range: <21° C

Ignition Temperature: 455° C

Auto Ignition: Product is not self igniting

Danger of Explosion: Product is not explosive

Water solubility: Water soluble.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Materials to avoid : strong acids and oxidizing agents. acid chlorides.

Hazardous decomposition products: No information available

Polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Chemical Name	LD50 (oral)	LD50 (dermal)	LD50 (Inhalation)
Methanol	5,628 mg/kg (rat)	15,800 mg/kg (rabbit)	64,000 mg/kg (rat)
Ammonium Sulfate	2,840 mg/kg (rat)	Not tested	Not tested

Potential Health Effects:

Eyes – May cause eye irritation with susceptible persons.

Skin – Components of the product may be absorbed into the body through the skin.
Toxic in contact with skin.

Inhalation – Toxic by inhalation.

Ingestion – Toxic if swallowed.

Target Organ Effects:

Skin, Liver, Eyes, Respiratory Tract.

Specific effects

Carcinogenic effects: No information available

Mutagenic effects: No information available

Reproductive toxicity: No information available

Sensitization: No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: No information available.

Aquatic toxicity: log Kow: -0.82- -0.66
 Half-life (hr) air: 427
 Half-life (hr) H2O surface water: 5.3-64
 Henry's atm m³ /mol: 1.35E-04
 BOD 5 if unstated: 0.76-1.12
 COD: 1.05-1.50,99%
 ThOD: 1.5
 BCF: 0.2-10
 Toxicity Fish: LC50(96): 11-15mg/L
 TLm(48Hr): 8000mg/L (trout)
 Toxicity Arthropoda: NOEL 10 g/L/48Hr (Daphnia) [ICl]

Mobility: No information available.

Biodegradation: No information available.

Bioaccumulation: No information available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA:

Proper shipping name: Methanol Solution
Hazard Class: 3
Subsidiary Class: 6.1
Packing group: II
UN-No: UN1230

15. REGULATORY INFORMATION

International Regulations:

Chemical Name	TSCA	MAK	ENCS	DSL	AICS	TLV
Methanol	Listed	Not Listed	Listed	Listed	Listed	Not Listed

U.S. Federal Regulations:

SARA 313:

This product contains the following toxic chemical(s) subject to the notification requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Chemical Name	CAS-No	Weight %
Methanol	67-56-1 55	15-30%

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):

This product contains the following HAPs:

Chemical Name	CAS-No	Weight %
Methanol	67-56-1 55	15-30%

U.S. State Right to Know Regulations:

Chemical Name	MA	NJ	PA	IL	RI
Methanol	Listed	Not Listed	Listed	Listed	Listed

California Proposition 65

This product does not contain chemicals listed under Proposition 65.

WHMIS hazard class:

- B2 Flammable liquid
- D1B Toxic materials
- D2A Very toxic materials
- D2B Toxic materials

16. OTHER INFORMATION

This product is intended for research use only. It is not intended for animal or human clinical diagnostic use. It is not intended for food, drug, household or other uses. An individual technically qualified to handle potentially hazardous materials in a laboratory setting should supervise the use of this product.

To the best of our knowledge, the information contained herein is accurate. However, KeraFAST does not assume any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.