FR CLEAR

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/MIXTURE

Supplier
FlameOFF Coatings Inc.
2435 S. Alston Ave.
Durham NC 27713

EMERGENCY PHONE: 203-431-0400

PRODUCT NAME: FR Clear FlameOFF Product Code: AFT-FRC-FO

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTION ON USE: **Fire Inhibitor. FOR INDUSTRIAL USE ONLY.**

2. HAZARDS IDENTIFICATON

GHS Pictogram
Not required.

Classification: Category 2B – Eye Damage / Irritation

Signal Word: WARNING

Hazard Statements

Causes eye irritation.

Precautionary Statements

PREVENTION: Wash face, hands, and any exposed skin thoroughly after handling.

RESPONSE: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

STORAGE: No required statements

DISPOSAL: [Supplemental] Dispose of contents and container in accordance with local, regional, national regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): None known

3. COMPOSITION- INFORMATION ON INGREDIENTS

Components	CAS	%
Urea	57-13-6	5 - 10
Phosphates	Proprietary	25 - 45

The chemical identity of some or all components present is confidential business information (Trade Secret) and is being withheld as permitted by 29CFR1919.1200 (i)

4. FIRST AID MEASURES

INHALATION: Remove source of exposure or move person to fresh air and keep comfortable for breathing. If unwell, exposed or concerned: Get medical attention.
SKIN CONTACT: Wash skin with soap and plenty of water for at least 15 minutes. Wash clothing before reuse. Treat symptomatically.
INGESTION: Rinse mouth and throat and drink plenty of water to dilute. Get medical attention if concerned or if symptoms occur.
EYE CONTACT: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS BOTH ACUTE AND DELAYED: Eye irritation. Excessive indigestion may cause nausea. May cause minor skin irritation.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Rinse eyes with water for at least 15 minutes. If eye irritation persists get immediate medical attention.

5. FIRE FIGHTING MEASURES

Suitable/Unsuitable Extinguishing Media: In case of fire use: Use extinguishing media suitable for the surrounding fire. Unsuitable extinguishing media –high volume water jet as this may scatter and spread fire.

Special Protective Equipment and Precautions for Fire Fighters: Firefighters should wear self-contained breathing apparatus and protective clothing. Stay upwind and out of low areas. Avoid inhalation of combustion by-products. Stop leak if safe to do so. Use flooding amounts of water spray to cool fire exposed containers. Move containers if you can do so without personal risk.

Specific Hazards Arising from the Chemical: This material is not considered flammable. Thermal decomposition may produce but is not limited to toxic and irritating fumes of carbon, nitrogen, phosphorous and ammonia.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment: Avoid inhalation of vapors, gas, fumes. Do not touch or walk through spilled material. Do not get in eyes or skin. Cleanup personnel should wear appropriate protective clothing and equipment. Ensure adequate ventilation.

Emergency Procedures: Isolate the hazard area and deny entry to un-necessary and unprotected personnel. Ensure proper ventilation at spill site. Clean up personnel should wear appropriate protective clothing and equipment.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods & Materials for Containment and Cleaning Up: Ventilate area. Collect spilled material and place in appropriate waste disposal container with tight fitting lid.

7. HANDLING & STORAGE

Precautions for Safe Handling: Use in a well-ventilated area. Do not get in eyes or on skin. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene and safe practices.

Conditions for Safe Storage, Including Incompatibilities: Store in a cool, dry well-ventilated area. Store in original container and keep covered tightly closed when not in use. Incompatibilities: Strong acids, strong alkali and strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: In accordance to good industrial hygiene. OSHA PEL: Not established. ACGIH TLV: Not established.

Engineering Controls: If exposure limits have not been established, maintain airborne levels to an acceptable level. It is recommended that users of this product perform a risk assessment to determine appropriate PPE. Ensure proper ventilation.

Personal Protective Equipment: Eyes/Face: Wear chemical goggles and face shield. Do not get in eyes. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. **Body:** Wear appropriate chemical resistant clothing. **Respiration:** If the exposure limit is exceeded, or in the case of insufficient ventilation, wear suitable NIOSH approved respirator.

NOTE: Eyewash fountain and quick drench shower should be available in the immediate work area. Employees should shower at the end of the shift.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to slightly hazy Liquid
Odor:	No odor.
Odor Threshold:	Not available
pH:	6 - 7
Melting Point/Freezing Point:	Not available
Boiling Point/Range:	Not available
Flash Point:	Not available
Evaporation Rate:	Not available
Flammability(solid/gas):	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	Not available
Solubility(ies):	Water: Soluble. Alcohol: Soluble.
Partition Coefficient (n-octanol/water):	Not available
Auto-Ignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity:	Not available

10. STABILITY & REACTIVITY

Reactivity: Hazardous polymerization will not occur.
Chemical Stability: Stable under proper recommended storage conditions and use.
Possibility of Hazardous Reactions: None known.
Conditions to Avoid: None known.
Incompatible Materials: Strong acids, strong alkali and strong oxidizing agents.
Hazardous Decomposition Products: Thermal decomposition may produce but is not limited to toxic and irritating fumes of carbon, nitrogen, phosphorous and ammonia.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: **Inhalation:** Yes **Ingestion**: Yes **Eyes:** Yes **Skin:** Yes
Acute Toxicity:
The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight
The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is >5000 mg/kg body weight
The Acute Toxicity Estimate (ATE) for an inhalation (vapor) exposure to this mixture is >20 mg/l

Symptoms, Delayed and Immediate Effects: Contact with the eyes will result in irritation. May cause skin irritation. Ingestion may cause gastric disturbances and nausea.

Chronic Effects from Short & Long Term Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Single Target Organ Toxicity – Single Exposure – Not known.
Single Target Organ Toxicity – Repeated Exposure. Not known.

Sensitization: Not expected.

Carcinogenicity: IARC: No NTP: No OSHA: No

12. ECOLOGICAL INFORMATION

Eco-toxicity:	Not available
Persistence& Degradability:	Urea (CAS 57-13-6) – Will slowly release ammonia and degrade to nitrate.
Bio-accumulative Potential:	Not available
Mobility in Soil:	Not available
Other Adverse Effects:	Not available

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of contents and container in accordance with local, regional and national regulations.

Uncleaned Packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORTATION INFORMATION

DOT: Not Regulated

15. REGULATORY INFORMATION

TSCA: In compliance

16. OTHER INFORMATION

Date Prepared: April 25, 2022

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability 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. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

END OF SAFETY DATA SHEET