

## 1. IDENTIFICATION

**Anti Fire Technologies**  
P.O. Box 787  
Ridgefield, CT 06877

**EMERGENCY PHONE:**  
**(203)-994-8788**

**RECOMMENDED USE OF THE  
CHEMICAL AND RESTRICTION ON  
USE:**

Fire Inhibitor.

**FOR INDUSTRIAL USE ONLY.**

**Date Printed: March 15th, 2024**

**Supersedes Date: January 18<sup>th</sup>, 2021**

## 2. HAZARDS

**GHS Pictogram:**



**Classification:**

Category 2A - Eye Irritation

Category 2 - Skin Irritation

Safety data sheet prepared in accordance to the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

**Signal Word:**

Warning

**Hazard Statements:**

H319 - Causes serious eye irritation

H315 - Causes skin irritation

**Precautionary Statements - Prevention:**

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection/face protection.

**Precautionary Statements - Response:**

P305 + P351 + P338 + P337 + P313 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P362 + P364 + P332 + P313 - Take off contaminated clothing. And, wash it before reuse. If skin irritation occurs: Get medical advice/attention.

**Precautionary Statements - Storage:**

No precautionary statement available.

### 3. COMPOSITION INFORMATION ON INGREDIENTS

Components:	CAS:	Percentage:
Urea	57-13-6:	10 - 30%
Phosphates	Proprietary:	65 - 85%

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:

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs, get medical advice/attention.

#### Ingestion:

Rinse mouth If you feel unwell or if concerned, call a poison control center or doctor.

#### Eye Contact:

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes while holding the eyelids open. Remove contact lenses if present and easy to do. Continue rinsing for a duration of 15-20 minutes. If eye irritation persists, get medical advice/attention.

#### Most Important Symptoms and Effects Both Acute and Delayed:

No data available.

#### Indication of Any Immediate Medical Attention and Special Treatment Needed:

Treat according to symptoms (decontamination, vital functions), no known specific antidote. Treatment should be supportive and based on the judgment of the physician in response to the reaction of the patient.

### 5. FIRE FIGHTING MEASURES

#### Suitable/Unsuitable Extinguishing Media:

In case of fire, use extinguishing media suitable for the surrounding fire. Avoid using high-volume water jets as this may scatter and spread fire.

#### Special Protective Equipment and Precautions for Fire Fighters:

Firefighters should wear self-contained breathing apparatus and full turnout gear. Isolate immediate hazard area and keep unauthorized personnel out. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

#### Specific Hazards Arising from the Chemical:

This material is not considered flammable.

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## 6. ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment:**

Avoid contact with skin, eye or clothing.

Cleanup personnel should wear appropriate protective clothing and equipment. Ensure adequate ventilation. Refer to Section 8 for specific personal protective equipment.

### **Emergency Procedures:**

Isolate the hazard area and keep unnecessary people away. Stay uphill and/or upstream. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

### **Environmental Precautions:**

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

### **Methods & Materials for Containment and Cleaning Up:**

Absorb liquids in vermiculite, dry sand, earth, or similar inert material and deposit in sealed containers for disposal.

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## 7. HANDLING & STORAGE

### **General**

Wash hands after use. Avoid contact with skin, eye or clothing. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored. All containers must be properly labelled.

### **Ventilation Requirements:**

Use only with adequate ventilation to control air contaminants to their exposure limits.

### **Conditions for Safe Storage, Including Incompatibilities:**

Store in a cool, dry and well-ventilated area. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Engineering Controls:**

General ventilation. Showers. Eyewash stations.

### **Personal Protective Equipment:**

- **Eyes/Face:**

Wear eye protection with side shields or goggles.

- **Skin:**

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers.

Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber. Launder soiled clothes or properly disposed of contaminated material which cannot be decontaminated.

- **Respiration:**

If the exposure limit is exceeded, or in the case of insufficient ventilation, wear a suitable NIOSH-approved respirator.

**Note:** None of the chemicals in Section 3 are regulated under "ACGIH\_carcinogen," "ACGIH\_Notations," "ACGIH\_TLV\_Basis," "ACGIHsmg," "ACGIHsppm," "ACGIHtmg," "ACGIHtppm," "CAN\_ONsmg," "CAN\_ONsppm," "CAN\_ONtmg," "CAN\_ONtppm," "NIOSH\_carcinogen," "nioshsmg," "nioshsppm," "nioshtmg," "nioshtppm," "OSHA\_SkinDesignation," "OSHA\_Tables\_Z1\_Z2\_Z3," "OSHA\_Carcinogen - OSHA Carcinogen," "OSHAsmg," "OSHA\_sppm," "OSHA\_tmg," "OSHA\_tppm."

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Density</b>	15.35630 lb/gal
<b>Specific Gravity</b>	1.84009
<b>% Solids by Weight</b>	100.00%
<b>% VOC</b>	0.00000%
<b>Appearance</b>	White powder
<b>Odor Description</b>	No odor
<b>Odor Threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting Point/Freezing Point</b>	Not available
<b>Boiling Point/Range</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid/gas)</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Relative Density</b>	Not available
<b>Solubility(ies)</b>	Not available
<b>Partition Coefficient (water/oil)</b>	Not available
<b>Auto-Ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available

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## 10. STABILITY & REACTIVITY

**Reactivity:**

No data available..

**Chemical Stability:**

Stable under proper recommended storage conditions and use.

**Possibility of Hazardous Reactions/Polymerization:**

None known.

**Conditions to Avoid:**

Avoid contact with incompatible materials.

**Incompatible Materials:**

Alkalies. Acids.

**Hazardous Decomposition Products:**

No known decomposition products.

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## 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

**Aspiration Hazard:**

Based on available data, the classification criteria are not met.

**Carcinogenicity:**

Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity**

Based on available data, the classification criteria are not met.

**Reproductive Toxicity**

Based on available data, the classification criteria are not met.

**Single Target Organ Toxicity – Single Exposure** – Based on available data, the classification criteria are not met.

**Single Target Organ Toxicity – Repeated Exposure** - Based on available data, the classification criteria are not met.

**Respiratory/Skin Sensitization**

Based on available data, the classification criteria are not met.

**Serious Eye Damag/Irritation**

Causes serious eye irritation.

**Skin Corrosion/Irriation**

Causes skin irritation.

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## 12. ECOLOGICAL INFORMATION

**Eco-toxicity:**

Based on available data, the classification criteria are not met.

**Persistence & Degradability:**

Urea (CASS7-13-6) will slowly release ammonia and degrade to nitrate.

**Bio-accumulative Potential:**

Not available.

**Mobility in Soil:**

Not available.

**Other Adverse Effects:**

Not available.

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## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:**

It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, state and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purpose.

## 14. TRANSPORTATION INFORMATION

**DOT:** Canadian TDG:

Not regulated.

Not regulated.

## 15. REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
Proprietary	Phosphates	65% - 85%	SARA313, Canada_NPRI, DSL, SARA312, TSCA
0000057-13-6	UREA	10% - 30%	DSL, SARA312, TSCA

## 16. OTHER INFORMATION

### Glossary:

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service; Chemtrec - Chemical Transportation Emergency Center; DSL - Domestic Substances List; ESL - Effects Screening Levels; GHS- "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; OSHA - Occupational Safety and Health Administration, US Department of Labor; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313, SCBA - Self Contained Breathing Apparatus; ppm - parts per million; STEL - Short-term exposure limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; US DOT- US Department of Transportation.

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First Edition

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**END OF SAFETY DATA SHEET**