



Fire Retardant Coatings of Texas®, LLC

4500 Grants Lane, Fort Worth Tx, 76179

Office (817) 710-5233

www.frctexas.com

Safety Data Sheet (SDS)

OSHA Hazard Communication Standard 29 CFR

1910.1200. Prepared to GHS Rev04.

Reviewed April 2024

Printing date 3/18/2016

1 Product and Company Identification

· **Product identifier**

· **Trade name:** FX Lumber Guard XT®

· **Article number:** FX Lumber Guard XT®

· **Relevant identified uses of the substance or mixture and uses advised against**

· **Product Description**

Fire retardant products for exterior/interior lumber & plywood (SYP, SPF, oak, cedar, red oak, Fir, and similar), timbers, shake shingles, thatching, bamboo, and other materials.

Non-Hazardous Penetrant – Non-Toxic – Environment Safe – Water Based

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Fire Retardant Coatings of Texas®, LLC

4500 Grants Lane

Fort Worth, TX 76179

Off (817) 710-5233

www.frctexas.com

· **Emergency telephone number:** (817) 710-5233



2 Hazards identification

· **Classification of the substance or mixture**

The product is not classified according to the Globally Harmonized System (GHS).

· **Label elements**

· **GHS label elements** Void

· **Hazard pictograms** Void

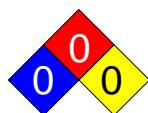
· **Signal word** Void

· **Hazard statements** Void

· **Precautionary statements** Precautionary statements

· **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

· **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

Other hazards

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

461-58-5	dicyandiamide	<8.5%
7732-18-5	water, distilled, conductivity or of similar purity	<70%
7783-28-0	diammonium phosphate	<6.5%

· **Chemical characterization:** Mixtures

· **Description:** Mixture of the substances listed below with non-hazardous additions.



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· Dangerous components:			
7664-38-2	phosphoric acid 75% Food Grade	H314	<7.6
57-13-6	Urea prills		<2%
	Proprietary		5.4%

4 First aid measures

· **Description of first aid measures**

· **General information:** No special measures are required.

· **After inhalation, supply fresh air; consult a doctor if you have complaints.**

· **After skin contact, Wash the affected area with soap and water.**

· **After eye contact: Rinse the opened eye for several minutes under running water.**

· **After swallowing: Give large amounts of water. If symptoms persist, consult a doctor.**

· **The most important symptoms and effects are both acute and delayed. No further relevant information is available.**

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information is available.

5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol-resistant foam.

· **No further relevant information is available for special hazards arising from the substance or mixture.**

· **Advice for firefighters**

· **Protective equipment:** No special measures are required.

6 Accidental release measures

· **Personal precautions, protective equipment, and emergency procedures:** Required.

· **Environmental precautions:** Do not allow entry to the drinking water supply.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **Reference to other sections**

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See

Section 13 for disposal information.

7 Handling and storage

· **Precautions for safe handling:** No special measures are required.

· **Information about protection against explosions and fires:** No special measures are required.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one standard storage facility:** Not required.

· **Further information about storage conditions:** None.

· **Specific end use(s)** No further relevant information is available.

8 Exposure controls/personal protection

· **Additional information about the design of technical systems:** No further data; see item 7.

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· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

7664-38-2 phosphoric acid 75% Food Grade

PEL	1 mg/m ³
REL	Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³
TLV	Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³

57-13-6 urea

WEEL	10 mg/m ³
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· **Additional information:** The lists valid during the creation were used as the basis.

· **Exposure controls**

· **Personal protective equipment:** Recommended when handling any chemicals.

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

· **Breathing equipment:** Not required.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests, no recommendation for the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion, and the degradation

· **Material of gloves**

The selection of suitable gloves depends on the material and further quality marks and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can't be calculated in advance and has to be checked before the application.

· **Penetration time of glove material**

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and observed.

· **Eye protection:** Goggles are recommended during refilling.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Color: Clear

· **Odor:** Yes

· **Odor threshold:** Slight

· **PH Range:** 5.5 – 7 %

· **Change in condition**

Freeze Point: <45°

Boiling point/Boiling range: 212 °F

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

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- **Ignition temperature:**
 - **Decomposition temperature:** Not determined.
- **Auto igniting:** The product is not self-igniting.
- **The danger of explosion:** The product does not present an explosion hazard.
- **Explosion limits:**
 - **Lower:** Not determined.
 - **Upper:** Not determined.
- **Vapor pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg)
- **Density:** SG 1.020
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **The evaporation rate:** is Not determined.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - **Dynamic:** Not determined.
 - **Kinematic:** Not determined.
- **Solvent content:**
 - **Organic solvents:** 0.0 %
 - **Water:** <86 %
- **Solids content:** 32 %
- **VOC Content:** 0.06% - 0.65 g/l

10 Stability and reactivity

- **Reactivity:** None
- **Chemical stability:** Stable
- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions are known.
- **Conditions to avoid:** No further relevant information is available.
- **Incompatible materials:** Not to be mixed with any other chemicals.
- **Hazardous decomposition products:** No dangerous decomposition products are known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Non-Toxic
- **Primary irritant effect on the skin:** No Irritant effect
- **on the eye:** Slight
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

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When used and handled according to specifications, the product has no harmful effects, according to our experience and the information provided to us.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
· NTP (National Toxicology Program)
None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information is available.
- **Persistence and degradability** No further relevant information is available.
- **Bioaccumulative potential:** No further relevant information is available.
- **Mobility in soil:** No further relevant information is available.
- **Additional ecological information:**
- **General notes: None**
- **Water Hazard: None**
Do not allow the product to reach the drinking water supply.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information is available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Disposal must be made according to official regulations.
- **Uncleansed Packaging's:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name** None
- **DOT, ADR, ADN, IMDG, IATA** Void
- **Transport hazard class(es)** TM
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Void
- **Packing group**
- **DOT, ADR, IMDG, IATA** Void
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for users** are Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

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15 Regulatory information

- Safety, health, and environmental regulations/legislation specific to the substance or mixture
- Sara

• **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

• **Section 313 (Specific toxic chemical listings):**

7664-38-2 phosphoric acid 75% Food Grade

• **TSCA (Toxic Substances Control Act):**

461-58-5 dicyandiamide

7664-38-2 phosphoric acid 75%

57-13-6 urea

7732-18-5 water, distilled, conductivity or of similar purity

• **Proposition 65**

• **Chemicals known to cause cancer:**

None of the ingredients is listed.

• **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

• **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

• **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

• **Carcinogenic categories**

• **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

• **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

• **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

• **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

• **GHS label elements** Void

• **Hazard pictograms** Void

• **Signal word** Void

• **Hazard statements** Void

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **Abbreviations and acronyms:**

ADR: Accord European sur le transport des marchandises danger uses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

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DOT: US Department of Transportation IATA:
International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
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