



Fire Retardant Coatings of Texas®, LLC

1150 Blue Mound Rd West #403
Haslet, Texas 76052 Office (817) 710-5233
Sales@frctexas.com • www.frctexas.com

Safety Data Sheet (SDS)

Printing date 03/18/2016

OSHA Hazard Communication Standard 29 CFR 1910.1200.
Prepared to GHS Rev04.

Reviewed April 2024

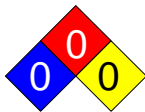
1 Product and Company Identification

- **Product identifier**
- **Trade name: FX LumberGuard®**
- **Article number: FX LumberGuard®**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product Description**
Fire retardant for interior lumber, plywood, OSB, and I-Joist.
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 761792
Off (817) 710-5233 – www.frctexas.com
- **Emergency telephone number:** (817) 710-5233
- **"Fire Retardant Coatings of Texas," "FX Lumber Guard / FX Lumber Guard XT"**
- **& "FRCT" Logo are federally registered trademarks**



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	<4%
7732-18-5	water, distilled, conductivity or of similar purity	<85%
7783-28-0	diammonium phosphate	<2%

- **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	<2.5%
57-13-6	Urea Prills		2%
	Proprietary		4.5%

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 effective 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 are Not required.**
- **Environmental precautions:** Do not allow to enter sewers/ surface or groundwater.
- **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:**

· **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 it 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: Cloudy

· **Odor:** Yes

· **Odor threshold:** Slight

· **pH-value range:** 5.5 – 7 %

· **Change in condition**

Freezing point/Freezing range: <40 °F

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:** 85 %
- **Solids content:** 32%
- **Volatile Organic Compounds (VOC):** 0.65 g/L - 0.06%

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **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:** No further relevant information is available.
- **Hazardous decomposition products:** No dangerous decomposition products are known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **On the skin:** No irritant effect.
- **In the eyes:** No irritating effect.
- **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:

Water hazard class 1 (Self-assessment): *slightly hazardous for water*
Do not allow undiluted products or large quantities to reach groundwater, water courses, or sewage systems.

· 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:** Smaller quantities can be disposed of with household waste.

· Uncleaned packaging:

- **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)

· 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% food grade

57-13-6 Urea Prills

7783-28-0 diammonium phosphate

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)

SDS / MSDS Created by MSDS Authoring Services (www.MSDSAuthoring.com)

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