FX LumberGuard

Fire retardant coating - OSHA Hazard Communication Standard 29 CFR 1910.1200, prepared to GHS Rev04

INDICATIVE DATA — please contact us directly for the manufacturer's spec sheet for your specific order: 718-386-6119 · inquiry@dmlumber.com

1. Product and company identification

Trade name: FX LumberGuard **Article number:** FX LumberGuard

Product description: fire retardant coating for interior lumber, plywood, OSB and I-Joist. Non hazardous penetrant - non toxic - environment safe - water based.

Supplier: D&M Lumber Products, 74 Bowne Street, Brooklyn, NY 11231 · 718-386-6119 · inquiry@dmlumber.com

Emergency telephone number: 718-386-6119

2. Hazards identification

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

Label elements: GHS label elements, hazard pictograms, signal word and hazard statements: void.

NFPA ratings (scale 0-4): Health = 0, Fire = 0, Reactivity = 0. **HMIS ratings (scale 0-4):** Health = 0, Fire = 0, Reactivity = 0. (0-least, 1-slight, 2-moderate, 3-high, 4-extreme)

Results of PBT and vPvB assessment: PBT: not applicable. vPvB: not applicable.

3. Composition / information on ingredients

Chemical characterization: mixture of the substances listed below with nonhazardous additions.

CAS No.	Ingredient	Amount
461-58-5	Dicyandiamide	<9%
7732-18-5	Water, distilled, conductivity or of similar purity	<85.93%
7783-28-0	Diammonium phosphate	<4%
Dangerous components		
7664-38-2	Phosphoric acid 85% (H314)	<10%
57-13-6	Urea	2%

4. First aid measures

General information: no special measures required.

After inhalation: supply fresh air; consult doctor in case of complaints.

After skin contact: wash effective area with soap and water.

After eye contact: rinse opened eye for several minutes under running water.

After swallowing: give large amounts of water. If symptoms persist consult doctor.

Most important symptoms and effects, both acute and delayed / immediate medical attention: no further relevant information available.

5. Firefighting measures

Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: no further relevant information available.

Protective equipment: no special measures required.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: not required.

Environmental precautions: do not allow to enter sewers / surface or ground water.

Containment and cleaning up: absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

No dangerous substances are released. See Section 7 for safe handling, Section 8 for personal protection equipment and Section 13 for disposal information.

7. Handling and storage

Precautions for safe handling: no special measures required.

Protection against explosions and fires: no special measures required.

Storage: no special requirements for storerooms and receptacles; storage in one common storage facility not required; further storage conditions: none.

Specific end use(s): no further relevant information available.

8. Exposure controls / personal protection

Design of technical systems: no further data; see item 7.

Components with limit values that require monitoring at the workplace:

Component	Limit values
7664-38-2 phosphoric acid 85%	PEL 1 mg/m³ · REL short-term 3 mg/m³, long-term 1 mg/m³ · TLV short-term 3 mg/m³, long-term 1 mg/m³
57-13-6 urea	WEEL 10 mg/m³

General protective and hygienic measures: the usual precautionary measures for handling chemicals should be followed. **Breathing equipment:** not required. **Eye protection:** goggles recommended during refilling.

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 to the glove material can be given for the product / the preparation / the chemical mixture. Selection of the glove material should consider the penetration times, rates of diffusion and the degradation. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

9. Physical and chemical properties

Property	Value
Form / color	Liquid / cloudy
Odor / odor threshold	Yes / slight
pH-value range	4.5-5
Freezing point / range	<40 °F
Boiling point / range	>212 °F
Flash point	Not applicable
Flammability (solid, gaseous)	Not applicable
Decomposition temperature	Not determined
Auto igniting	Product is not self-igniting
Danger of explosion	Product does not present an explosion hazard
Explosion limits (lower / upper)	Not determined
Vapor pressure at 20 °C (68 °F)	23 hPa (17 mm Hg)
Density	SG 1.020
Relative density / vapour density / evaporation rate	Not determined
Solubility in / miscibility with water	Not miscible or difficult to mix
Partition coefficient (n-octanol/water)	Not determined
Viscosity (dynamic / kinematic)	Not determined
Organic solvents / water / solids content	0.0% / 85.93% / 32%

10. Stability and reactivity

Thermal decomposition / conditions to be avoided: no decomposition if used according to specifications.

Possibility of hazardous reactions: no dangerous reactions known. **Conditions to avoid / incompatible materials:** no further relevant information available. **Hazardous decomposition products:** no dangerous decomposition products known.

11. Toxicological information

Primary irritant effect: on the skin, no irritant effect; on the eye, no irritating effect. **Sensitization:** no sensitizing effects known.

The product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to experience and the information provided.

Carcinogenic categories: IARC - none of the ingredients is listed. NTP - none of the ingredients is listed.

12. Ecological information

Aquatic toxicity, persistence and degradability, bioaccumulative potential, mobility in soil, other adverse effects: no further relevant information available.

General notes: water hazard class 1 (self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

PBT / vPvB: not applicable.

13. Disposal considerations

Recommendation: smaller quantities can be disposed of with household waste.

Uncleaned packaging: disposal must be made according to official regulations.

14. Transport information

UN number, UN proper shipping name, transport hazard class, packing group (DOT, ADR, ADN, IMDG, IATA): void / none. **Marine pollutant:** no. **Special precautions for user:** not applicable. **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** not applicable.

15. Regulatory information

SARA Section 355 (extremely hazardous substances): none of the ingredients is listed.

SARA Section 313 (specific toxic chemical listings): 7664-38-2 phosphoric acid 85%.

TSCA (Toxic Substances Control Act): 461-58-5 dicyandiamide; 7664-38-2 phosphoric acid 85%; 57-13-6 urea; 7783-28-0 diammonium phosphate; 7732-18-5 water, distilled, conductivity or of similar purity.

Proposition 65 (chemicals known to cause cancer, reproductive toxicity for females or males, developmental toxicity): none of the ingredients is listed.

Carcinogenic categories: EPA, TLV (ACGIH), NIOSH-Ca, OSHA-Ca: none of the ingredients is listed.

GHS label elements, hazard pictograms, signal word, hazard statements: void. **Chemical safety assessment:** a chemical safety assessment has not been carried out.

16. Other information

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

Abbreviations: ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. IMDG: International Maritime Code for Dangerous Goods. 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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