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 product for exterior / interior lumber & plywood (SYP, SPF, oak, cedar, red oak, Fir and similar), timbers, shake shingles, thatching, bamboo and similar 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
    1150 Blue Mound Rd West #403
    Haslet, TX 76052
    Off (817) 710-5233
    Fax (817) 439-8385
  - 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
  Health = 0
  FIRE
  Fire = 0
  REACTIVITY
  Reactivity = 0

Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3 Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>461-58-5 dicyandiamide</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>7732-18-5 water, distilled, conductivity or of similar purity</td>
<td>&lt;85%</td>
</tr>
<tr>
<td>7783-28-0 diammonium phosphate</td>
<td>&lt;3%</td>
</tr>
</tbody>
</table>

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

(Contd. on page 2)
4 First aid measures

- Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Wash affected 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 No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information 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.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Required.
- Environmental precautions: Do not allow entry to 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 required.
- Information about protection against explosions and fires: No special measures 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 common storage facility: Not required.
- Further information about storage conditions: None.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
Safety Data Sheet (SDS)

Printing date 3/18/2016

Trade name: FX LumberGuard XT®

(Contd. of page 2)

- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**

<table>
<thead>
<tr>
<th>7664-38-2 phosphoric acid 75% Food Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
</tr>
<tr>
<td>REL</td>
</tr>
<tr>
<td>TLV</td>
</tr>
<tr>
<td>57-13-6 urea</td>
</tr>
<tr>
<td>WEEL</td>
</tr>
</tbody>
</table>

- **Additional information:** The lists that were valid during the creation were used as 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 to 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 the 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 can’t be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles 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.

(Contd. on page 4)
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 known.
- **Conditions to avoid**: No further relevant information available.
- **Incompatible materials**: Not to mixed with any other chemicals.
- **Hazardous decomposition products**: No dangerous decomposition products 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:

  (Contd. on page 5)
When used and handled according to specifications, the product does not have any 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 available.
  - Persistence and degradability: No further relevant information available.
  - Bio accumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
  - Additional ecological information:
    - General notes: None
    - Water Hazard: None
      Do not allow product to reach drinking water supply.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information 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)
- DOT, ADR, ADN, IMDG, IATA: Void
  - Class: Void
  - Packing group: None
  - DOT, ADR, IMDG, IATA: Void
  - Environmental hazards:
    - 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.
  - UN "Model Regulation": -
15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for 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

(Contd. on page 7)
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