



Fire Retardant Coatings of Texas®, LLC

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

Safety Data Sheet (SDS)

Printing date 07/08/2015

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

Reviewed on April 2019

1 Product and Company Identification

Product identifier

- Trade name: **FX Tree Guard**
- Article number: **FRCT FX Tree Guard**
- Relevant identified uses of the substance or mixture and uses advised against
- Product description

Fire retardant coating for interior and exterior fabrics.
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
- "Fire Retardant Coatings of Texas" & "FRCT" Logo are federally registered trademarks

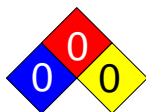
2 Hazards identification

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 Health = 0
FIRE 0 Fire = 0
REACTIVITY 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 | 3% |
| 7732-18-5 | water, distilled, conductivity or of similar purity | 82% |
| 7783-28-0 | diammonium phosphate | 2% |

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



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| · Dangerous components: | | | |
|--------------------------------|---------------------|--|----|
| 7664-38-2 | phosphoric acid 75% |  H314 | 4% |
| 57-13-6 | Urea | | 2% |
| | Proprietary | | 7% |

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:** Generally the product does not irritate the skin.
- **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** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **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.

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· **Control parameters**

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

7664-38-2 phosphoric acid 75%

| | |
|-----|--|
| 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 |
|------|----------------------|

· **Additional information:** The lists that were valid during the creation were used as 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 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 cannot 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: | Slight |
| Odor threshold: | Not determined. |
| pH-value range: | 5 – 5.5%. |

· **Change in condition**

| | |
|-------------------------------------|--------|
| Melting point/Melting range: | ~32 C |
| 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:** Product is not self-igniting.
- **Danger of explosion:** 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:** 1.020
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** 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:** 82 %
- **Solids content:** 30%
- **Other information:** No further relevant information available.

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 known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** 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 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.

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **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.

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

· **Uncleaned 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 user**

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 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% |
| • TSCA (Toxic Substances Control Act): | |
| 461-58-5 | dicyandiamide |
| 7664-38-2 | phosphoric acid 75% |
| 57-13-6 | Urea Prills |
| 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 dangerousness 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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