

FR-10

PRODUCT DATA SHEET

CLEAR FLAME RETARDANT SEMI-GLOSS COATING



SEMI-GLOSS ITEM #200

FR-10 Latex Coating is an interior clear, Class B, semi-gloss latex-based flame-retardant coating for use over raw wood. FR-10 can be used in conjunction with Firetect WT-102, Class A, intumescent latex flame-retardant paint for additional flame-retardant gloss and properties.

TECHNICAL DATA:

- One gallon covers 200 square feet in one coat
- FR-10 will look white upon application and dry clear
- Sheen can vary depending of type of wood it is applied to. Test on small area prior to proceeding.
- Weight is 60 lbs. per 5-gallon pail
- Shelf life is one year if container is unopened and stored properly
- Do not allow to freeze. Store between 40° f - 80° f.
- Once container is opened, FR-10 should be used completely or stored to prevent air exposure
- Once applied and dried, do not use harsh detergents on surface

APPROVALS:

California State Fire Marshal #C-10003, NYC COA #5865, ASTM e84, UL 723, NFPA 255, Class B, ASTM G 154-06, Previously Approved by ICBO, Los Angeles Research Report #24303

APPLICATION INSTRUCTIONS:

Before using, user must determine suitability of this product for its intended use.

- Prepare substrate by sanding and removing any dirt, silicone, oil or other coatings. Apply FR-10 to raw wood. FR-10 will not adhere to a surface that has not been properly prepared. If other coatings are used with FR-10, they should be tested in a lab as a system to determine flame-spread rating. Certain stains may need several weeks to dry/cure completely prior to the application of FR-10. Firetect recommends testing of samples prior to application with same components and atmospheric conditions as will be used in actual use.
- OSHA recommends that Applicator must wear paint goggles, mask, and gloves.
- FR-10 must be mixed well (do not dilute or cut with water, product is ready to use)
- FR-10 may be applied by brush, roller, or an airless sprayer using a 15 spray tip (do not use a cup gun or air sprayer)
- Coverage is 1 gallon per 200 square feet
- Cover entire exposed area
- Application in colder weather will extend dry time

Certification for the State of California requires application by a California State Certified Applicator to comply with requirements of the California State Fire Marshal.

CLEAN-UP:

FR-10 can be cleaned up with soap and water.

CAUTION:

Keep out of reach of children. Do not ingest. Call physician if swallowed. Clean all contacted areas with soap and water.

WARRANTY AND DISCLAIMER

Use only as directed. Sellers and Manufacturers only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or inability to use the product. Before using, user should determine the suitability of the product for its intended use. The user assumes all risk and liability whatsoever in connection therewith. Any statement or recommendation not contained herein shall have no force or effect unless contained in an agreement signed by officers of seller and manufacturer. Deterioration of coatings applied to interior finishes can occur due to atmospheric conditions, cleaning of the surface or painting over applied coatings. Fire Retardants shall possess the desired degree of permanency and shall be maintained so as to retain the effectiveness of the treatment under the service conditions encountered in actual use. Periodic testing is recommended.



Safety Data Sheet (SDS) - FR-10 Clear Flame Retardant Semi-Gloss Coating

1. Identification

Product Identifier	FR-10 Clear Flame Retardant Semi-Gloss Coating
Other means of Identification	Flame retardant coating.
Recommended use	Refer to manufacturer sell sheet.
Recommended restrictions	Refer to manufacturer sell sheet.
Supplier name Address	Dharma Trading Co 1805 S McDowell Blvd Ext Petaluma, CA 94954
Country	USA
Phone	707-283-0390
Fax	707-283-0379
E-mail	service@dharma trading.com
Website	www.dharma trading.com

2. Hazard(s) Identification

Emergency overview	Irritant.
Classification	Category 5. No symbol.
Hazard symbol	Warning.
Signal word	
Potential health effects	
Inhalation	Over-exposure may cause irritation. If not breathing, give artificial respiration and seek medical attention.
Eyes/Skin	Liquid contact or vapors may cause eye irritation. If clothes are contaminated, remove and wash with soap and water.
Ingestion	Ingestion of large quantities may cause non-specific irritation of gastrointestinal tract.
Environmental hazards	No known significant environmental effects.
NFPA/HMIS classification	Health: 0 Flammability: 0 Reactivity: 0 0-Least, 1-Slight, 2-Moderate, 4-Extreme

3. Composition/Information on ingredients

Chemical name	CAS number	Percent
Water	7732-18-5	-
Trade secret per 29 CFR 1910.1200	-	-
NO REPORTABLE HAZARDOUS INGREDIENTS		

4. First-aid measures

Inhalation	Remove person to fresh air and call a physician.
Skin contact	Wash skin with water. Remove contaminated clothing; wash irritated area with soap and water.
Eye contact	In case of eye contact, flush with running water for at least 15 minutes. If irritation persists, seek advice of a physician.
Ingestion	If swallowed, dilute by drinking water or milk. Induce vomiting and seek medical attention.

5. Fire-fighting measures

Suitable extinguishing media	If water is evaporated, dry polymer may burn.
Unsuitable extinguishing media	None.

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Specific hazards arising from the substance or mixture	Personnel not having suitable respiratory protection should leave area to prevent exposure to possible toxic gasses.
Special protective equipment and precautions for fire-fighters	Water spray, dry powder, and protein type air foams are effective; carbon dioxide may be ineffective in large fires due to lack of cooling capacity.

6. Accidental release measures

Personnel precautions	None.
Environmental precautions	Avoid runoff into storm sewers, ditches, and waterways.
Cleanup measures	Stop leak, contain by dyking spill area; spilled latex is very slippery, use care to avoid falls. Latex will leave a film upon drying if area is not thoroughly cleaned. Remove as much of spills as possible.

7. Handling and storage

Precautions for safe handling	Use under well ventilated conditions. Avoid skin and eye contact.
Engineering controls	If sprayed inside, use local exhaust ventilation. Otherwise, general ventilation is adequate.
Conditions for safe storage	Store upright in original sealed containers and in a cool, dry location away from light and strong frost.
Storage temperature	Store between 40°F and 80°F. Do not freeze.
Shelf life	Shelf life is one year, if stored properly. Once container is opened, chemical must be used completely.

8. Exposure controls/Personal protection

VOC	32 Grams/Liter
Exposure controls	Use appropriate engineering controls such as proper ventilation. Where such systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards.
Personal protective equipment	
Eye/Face protection	Wear goggles to avoid overspray and splashing. Eye and face protection should be in accordance with OSHA 29 CFR 1910.133.
Hand/Arm protection	Rubber or plastic gloves are recommended.
Respiratory protection	Use an N-95 or P-95 mask. If sprayed, wear an air-purifying respirator approved by NIOSH in accordance with OSHA 29 CFR 1910.134(d)(1)(ii). If used in a confined area, a full-face, powered air-purifying respirator (PAPR) or supplied-air respirator (SAR) is recommended. Use respirators in accordance with 29 CFR 1910.134(d)(3)(i)(A) Table 1, 29 CFR 1910.134(d)(3)(iii)(B) and 29 CFR 1910.134(d)(3)(iv)(B).

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Color	Milky white (clear as it dries).
Odor	Faint ammonia odor.
Odor threshold	Not applicable.
pH	
% volatile by vol	
Freezing point	32°F
Boiling point	200°F
Specific gravity	1.0
Evaporation rate	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.

10. Stability and reactivity

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Reactivity	No special reactivity.
Chemical stability	Stable.
Incompatible materials	Reacts with strong oxidizing agent such as hydrogen peroxide, permanganates and perchlorates.
Decomposition materials	CO ₂ , CO, HCL and smell of aromatic aliphatic hydrocarbons from burning dry powder.

11. Toxicological information

Acute toxicity	
Potential health effects	
Inhalation	May be harmful if inhaled. Short-term exposure may cause irritation of nose, throat and lungs.
Eyes/Skin	May be harmful in contact with eyes/skin. Short-term exposure may cause irritation.
Ingestion	May be harmful if swallowed. Possible stomach irritation and nausea.

12. Ecological information

Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

13. Disposal considerations

Waste disposal of product	Squeegee into container or absorb with sand or sweeping compound. Solids can separate from liquid latex through coagulation by the addition of alum. Place solids into a container for proper disposal in accordance with local state or federal regulations.
Contaminated packaging	Dispose of in accordance with federal, state, and local regulations.
Container disposal	Plastic pails are recyclable. Rinse well before recycling or disposal. Dispose of in accordance with federal, state, and local regulations. Contact local authorities for further information.

14. Transport information

Land transport	
USDOT	Non-hazardous product. Not regulated.
Marine transport	
IMDG	Non-hazardous product. Not regulated.
Air transport	
IATA	Non-hazardous product. Not regulated.

15. Regulatory information

Additional safety, health and environmental regulations	Not applicable.
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16. Other information

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 and prepared to GHS.

Preparation information

Prepared by

Firetect[®], Inc.

Disclaimer

It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information given is presented in good faith and believed to be correct as of the date hereof, based on available data, material components, and similar materials. Firetect[®], Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used.