



Safety Data Sheet (SDS) - Tree-Safe Flame Retardant Coating

1. Identification			
Product Identifier	Tree-Safe Flame Retardant Coating		
Other means of Identification	Flame retardant coating.		
Recommended use	Refer to manufacturer sell sheet		
Recommended restrictions	Refer to manufacturer sell sheet		
Manufacturer name	Firetect, Inc.		
Address	28298 Constellation Rd. Valencia, CA 91355		
Country	USA		
Phone	661-295-3473		
Fax	661-295-3880		
E-mail	info@firetect.com		
Website	www.firetect.com		
2. Hazard(s) Identification			
Classification	Skin Irritation- Category 2 Eye Irritation- Category 2A		
Pictogram			
Signal word	Warning		
Hazard Statement	Causes skin irritation, causes eye irritation		
Precautionary Statements:	Wash thoroughly after handling Wear protective gloves and eye protection IF ON SKIN: Wash with plenty of water IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing If skin irritation occurs: Get medical advice/attention If eye irritation persists: Get medical advice/attention Take off contaminated clothing and wash before reuse		
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	37-46%
	Ammonium	68333-79-9	18-25%
	Polyphosphate		
	Pentaerythritol	155-77-5	3-12%
	Melamine	108-78-1	7-13%
	Other ingredients 4–35% (Trade secret in accordance with OSHA 29 CFR 1910.1200)		
No components are present at levels which require disclosure under OSHA 29 CFR 1910.1200.			
4. First-aid measures			
	Inhalation	Remove person to fresh air. If necessary, seek advice of a physician.	
	Skin contact	Cleanse affected areas with mild soap and water. If irritation develops, seek medical attention.	
	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, rinse mouth. Do NOT induce vomiting. Seek medical attention if symptoms occur.	
5. Fire-fighting measures			
	Suitable extinguishing media	For dry solids, use water foam, CO2, or dry chemical fire-fighting apparatus.	
	Unsuitable extinguishing media	None known	
	Specific hazards	Closed container exposed to heat may rupture due to pressure and build up.	
	Protective equipment	Firefighters should wear standard protective equipment	
6. Accidental release measures			
	Personnel precautions	None.	
	Environmental precautions	Avoid runoff into storm sewers, ditches, and waterways.	
	Cleanup measures	Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts may be absorbed into appropriate absorbent.	
7. Handling and storage			
	Precautions for safe handling	Avoid breathing mist. Avoid prolonged skin contact.	
	Engineering controls	If sprayed inside, use local exhaust ventilation. Otherwise, general ventilation is adequate.	
	Conditions for safe storage	Keep containers in cool, dry area. Use and store with adequate ventilation.	
	Storage temperature	Do not allow to freeze. Store between 40°F and 80°F. Keep cap on container at all times.	
	Shelf life	Shelf life is one year, if containers are unopened and kept from freezing at all times.	
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8. Exposure controls/PPE	
VOC	<33 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.
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	Green
Odor	Faint odor.
Odor threshold	Not applicable.
pH	6.5
% volatile by vol	
Freezing point	<40°F
Boiling point	212°F
Specific gravity	1.08
Evaporation rate	Less than water.
Vapor pressure	None.
Vapor density	Equal to water.
Flashpoint	Not Applicable.
10. Stability and reactivity	
Reactivity	None.
Chemical stability	Stable.
Incompatible materials	Strong oxidizers.
Decomposition materials	Carbon dioxide, carbon monoxide.
11. Toxicological information	
Acute toxicity	No data available
Potential health effects:	Inhalation: May cause irritation of the respiratory tract if spray mist is inhaled. Skin Contact: Causes skin irritation. Eye Contact: Causes serious eye irritation. Ingestion: May cause gastrointestinal discomfort.
12. Ecological information	
Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulate potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.
13. Disposal considerations	
Waste disposal of product	Do not discard product into storm or waste water sewer systems.
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	Not regulated for transport
Marine transport IMDG	Not regulated for transport
Air transport IATA	Not regulated for transport
15. Regulatory information	
Additional safety, health and environmental regulations	Not applicable.
16. Other information	
Prepared by	Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 and prepared to GHS. 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.
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