



Safety Data Sheet (SDS) - WT-102 Flame Retardant Coating

1. Identification

Product Identifier	WT-102 flame retardant coating with adhesion abilities
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 Road 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

Emergency overview	Irritant.
Classification	
Hazard symbol	Category 5. No symbol.
Signal word	Warning.
Potential health effects	
Inhalation	Over-exposure may cause irritation. If not breathing, give artificial respiration. Seek medical attention.
Eyes/Skin	Cleanse affected areas with mild soap and water. If irritation develops, seek medical attention.
Ingestion	If drowsy or unconscious, place victim on left side with head down. Do not give anything by mouth; seek medical attention.
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 Polyphosphate	68333-79-9	18-25%
Pentaerythritol	155-77-5	3-12%
Melamine	108-78-1	7-13%
Other ingredients (Trade secret per 29 CFR 1910.1200)	-	4-35%
NO REPORTABLE HAZARDOUS INGREDIENTS		

4. First-aid measures

Inhalation	Remove person to fresh air. If necessary, seek advice of a physician.
Skin contact	Wash skin with soap and water. Launder clothing before reuse.
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, induce vomiting and seek medical attention.

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5. Fire-fighting measures

Suitable extinguishing media	For dry solids use water foam, CO ₂ , or dry chemical fire-fighting apparatus.
Unsuitable extinguishing media	None.
Specific hazards arising from the substance or mixture	None.
Special protective equipment and precautions for fire-fighters	Closed container exposed to heat may cause rupture due to pressure build-up.

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. Dispose of product in accordance with applicable local, county, state and federal regulation.

7. Handling and storage

Precautions for safe handling	Avoid breathing mist. Avoid prolonged skin contact.
Engineering controls	Use local exhaust ventilation if sprayed inside. 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	Storage should not exceed 80°F or fall below 40°F. Do not allow to freeze.
Shelf life	Shelf life is one year, if containers are unopened.

8. Exposure controls/Personal protection

VOC	47 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	Color base and tinted black or white.
Odor	Very faint odor.
Odor threshold	Not applicable.
pH	
% volatile by vol	
Freezing point	32°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

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10. Stability and reactivity

Reactivity	None.
Chemical stability	Stable.
Incompatible materials	Strong oxidizers.
Decomposition materials	Carbon dioxide, carbon monoxide.

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	Do not discharge product into storm or waste water sewer systems. Dispose of product in accordance with applicable local, county, state and federal regs.
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 conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used.