



## Global Harmonized System - WT-102 Flame Retardant Coating

### 1. Identification

<b>Product Identifier</b>	WT-102 flame retardant coating with adhesion abilities
<b>Other means of Identification</b>	Flame retardant coating
<b>Recommended use</b>	Refer to manufacturer sell sheet
<b>Recommended restrictions</b>	Refer to manufacturer sell sheet
<b>Manufacturer name</b>	Firetect, Inc.
<b>Address</b>	28298 Constellation Road Valencia, CA 91355
<b>Country</b>	USA
<b>Phone</b>	661-295-3473
<b>Fax</b>	661-295-3880
<b>E-mail</b>	info@firetect.com
<b>Website</b>	www.firetect.com

### 2. Hazard(s) Identification

<b>Emergency overview</b>	Irritant.
<b>Classification</b>	
<b>Hazard symbol</b>	Category 5. No symbol.
<b>Signal word</b>	Warning.
<b>Potential health effects</b>	
<b>Inhalation</b>	Over-exposure may cause irritation. If not breathing, give artificial respiration. Seek medical attention.
<b>Eyes/Skin</b>	Cleanse affected areas with mild soap and water. If irritation develops, seek medical attention.
<b>Ingestion</b>	If drowsy or unconscious, place victim on left side with head down. Do not give anything by mouth; seek medical attention.
<b>Environmental hazards</b>	No known significant environmental effects.
<b>NFPA/HMIS classification</b>	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

<b>Inhalation</b>	Remove person to fresh air. If necessary, seek advice of a physician.
<b>Skin contact</b>	Wash skin with soap and water. Launder clothing before reuse.
<b>Eye contact</b>	In case of eye contact, flush with running water for at least 15 minutes. If irritation persists, seek advice of a physician.
<b>Ingestion</b>	If swallowed, induce vomiting and seek medical attention.

**Global Harmonized System**  
**WT-102 Flame Retardant Coating**

---

**5. Fire-fighting measures**

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

---

**6. Accidental release measures**

<b>Personnel precautions</b>	None.
<b>Environmental precautions</b>	Avoid runoff into storm sewers, ditches, and waterways.
<b>Cleanup measures</b>	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**

<b>Precautions for safe handling</b>	Avoid breathing mist. Avoid prolonged skin contact.
<b>Engineering controls</b>	Use local exhaust ventilation if sprayed inside. Otherwise, general ventilation is adequate.
<b>Conditions for safe storage</b>	Store upright in original sealed containers and in a cool, dry location away from light and strong frost.
<b>Storage temperature</b>	Storage should not exceed 80°F or fall below 40°F. Do not allow to freeze.
<b>Shelf life</b>	Shelf life is one year, if containers are unopened.

---

**8. Exposure controls/Personal protection**

<b>Exposure controls</b>	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.
<b>Personal protective equipment</b>	
<b>Eye/Face protection</b>	Wear goggles to avoid overspray and splashing. Eye and face protection should be in accordance with OSHA 29 CFR 1910.133.
<b>Hand/Arm protection</b>	Rubber or plastic gloves are recommended.
<b>Respiratory protection</b>	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**

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Color</b>	Color base and tinted black or white.
<b>Odor</b>	Very faint odor.
<b>Odor threshold</b>	Not applicable.
<b>pH</b>	
<b>% volatile by vol</b>	
<b>Freezing point</b>	32°F
<b>Boiling point</b>	212°F
<b>Specific gravity</b>	1.08
<b>Evaporation rate</b>	Less than water.
<b>Vapor pressure</b>	None.
<b>Vapor density</b>	Equal to water.
<b>Flashpoint</b>	Not Applicable

---

**Global Harmonized System**  
**WT-102 Flame Retardant Coating**

---

**10. Stability and reactivity**

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

---

**11. Toxicological information**

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

---

**12. Ecological information**

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

---

**13. Disposal considerations**

<b>Waste disposal of product</b>	Do not discharge product into storm or waste water sewer systems. Dispose of product in accordance with applicable local, county, state and federal regs.
<b>Contaminated packaging</b>	Dispose of in accordance with federal, state, and local regulations.
<b>Container disposal</b>	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**

<b>Land transport</b>	
<b>USDOT</b>	Non-hazardous product. Not regulated.
<b>Marine transport</b>	
<b>IMDG</b>	Non-hazardous product. Not regulated.
<b>Air transport</b>	
<b>IATA</b>	Non-hazardous product. Not regulated.

---

**15. Regulatory information**

<b>Additional safety, health and environmental regulations</b>	Not applicable.
--	-----------------

---

**16. Other information**

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

**Preparation information**

**Prepared by** Firetect<sup>®</sup>, 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<sup>®</sup>, 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.