

# Material Safety Data Sheet



## US Department of Labor

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
Consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY: Fire-Safe Flame Retardant for Hay & Straw**

### Section I – Fire-Safe Flame Retardant for Hay & Straw

Manufacturer's Name <b>FireTect</b>	Emergency Telephone Number: <b>(661) 295-3473</b>
Address: <b>28298 Constellation Road Valencia, CA 91355</b>	Telephone Number for Information: <b>(661) 295-3880</b>
	Date Prepared: 01/2001 Date Reviewed: 01/2014

### Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>FireTect Fire-Safe Flame Retardant for Hay &amp; Straw (Non-Hazardous Saturant)</b>				
<b>Water based flame retardant solution</b>				
<b>VOC: 0 Grams per liter pH 6.5-7.0</b>				
<b>NON-HAZARDOUS, NON FLAMMABLE</b>				
<b>NFPA: Hazardous 0, Flammability 0 Reactivity 0</b>				

### Section III - Physical/Chemical Characteristics

Boiling Point	212° f	Specific Gravity (H <sub>2</sub> O = 1)	1.08
Vapor Pressure (mm Hg.)	Same as water	Melting Point	None
Vapor Density (AIR = 1)	Same as water	Evaporation Rate (Butyl Acetate = 1)	<1
Solubility in Water: Complete			
Appearance and Odor: Clear solution, faint odor:			

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): None	Flammable Limits	LEL	UEL
<b>Extinguishing Media:</b> None			
<b>Special Fire Fighting Procedures:</b> None			
Unusual Fire and Explosion Hazards			

**Section V - Reactivity Data**

Stability	Stable	X	Conditions to Avoid: Reacts with alkali to liberate ammonia.
Incompatibility ( <i>Materials to Avoid</i> ): None			
Hazardous Decomposition or Byproducts:			
Hazardous Polymerization	Will Not Occur	X	Conditions to Avoid: Will decompose on heating to form N #3.

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation: yes	Skin: yes	Ingestion: Unlikely
Health Hazards ( <i>Acute and Chronic</i> ): Contact with skin and eyes can cause local irritation			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure: Local Irritation.			
Medical Conditions Generally aggravated by Exposure: None			
Emergency and First Aid Procedures: If swallowed, induce vomiting, seek medical attention. In case of eye contact, flush with running water for at least 15 minutes. If irritation persists, seek advice of a physician.			

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled: Flush with large volumes of water.
Waste Disposal Method: Flush with large volumes of water.
Precautions to Be taken in Handling and Storing: Storage should take place in a cool, dry, ventilated area. Keep out of reach of children. Wash hands after using this chemical.

**Section VIII - Control Measure**

Respiratory Protection ( <i>Specify Type</i> ): Wear mask during spraying.		
Ventilation	Local Exhaust: Sufficient	Special
	Mechanical ( <i>General</i> )	Other
Protective Gloves: May be Used	Eye Protection: Goggles may be used	
Other Protective Clothing or Equipment		
Work/Hygienic Practices: Area should be well ventilated.		