



# Global Harmonized System- Fire Safe

## 1. Identification

<b>Product Identifier</b>	<b>Fire-Safe Flame Retardant for Hay &amp; Straw</b>
<b>Other means of Identification</b>	Water-based flame retardant saturant.
<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>	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.
<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	-
Trade secret per 29 CFR 1910.1200	-	-
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, seek medical attention.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Carbon dioxide, dry chemical, foam, water spray.
<b>Unsuitable extinguishing media</b>	None.

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Fire-Safe Flame Retardant for Hay & Straw

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**Specific hazards arising from the substance or mixture** None.

**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.

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**6. Accidental release measures**

**Personnel precautions** None.

**Environmental precautions** Avoid runoff into storm sewers, ditches, and waterways.

**Cleanup measures** Spills should be contained, solidified, and placed in suitable containers for disposal. Wash exposed skin with soap and water.

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**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 container in a cool, dry location away from light and strong frost.

**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 3 years, if properly stored.

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**8. Exposure controls/Personal protection**

**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).

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**9. Physical and chemical properties**

**Appearance**

**Physical state** Liquid **Color:** White, Dries Clear **Odor:** Faint odor.

**Odor threshold** Not applicable.

**pH** 6.5-7.0

**% volatile by vol** 0

**Freezing point** 32°F

**Boiling point** 200°F

**Specific gravity** 1.0

**Evaporation rate** <1

**Vapor pressure** Same as water.

**Vapor density** Same as water.

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**10. Stability and reactivity**

<b>Reactivity</b>	Reacts with alkali to liberate ammonia.
<b>Chemical stability</b>	Stable.
<b>Incompatible materials</b>	Strong oxidizers.
<b>Decomposition materials</b>	Will decompose on heating to form N #3.

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**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.

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**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.

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**13. Disposal considerations**

<b>Waste disposal of product</b>	Do not discharge product into storm or waste water sewer systems.
<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.

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**14. Transport information Land transport**

<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.

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**15. Regulatory information**

<b>Additional safety, health and environmental regulations</b>	Not Applicable
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**16. Other information**

<b>Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 and prepared to GHS.</b>	
<b>Preparation information</b>	
<b>Prepared by</b>	Firetect <sup>®</sup> , Inc.
<b>Disclaimer</b>	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 all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used.