



Safety Data Sheet (SDS)- Fire Safe

1. Identification

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

5. Fire-fighting measures

Suitable extinguishing media	Carbon dioxide, dry chemical, foam, water spray.
Unsuitable extinguishing media	None.

**Global Harmonized System
Fire-Safe Flame Retardant for Hay & Straw**

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.

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.

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.

8. Exposure controls/Personal protection

VOC 0 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:** 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.

10. Stability and reactivity

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

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.
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 all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used.