

MATERIAL SAFETY DATA SHEET

Product Name: **SAFE-TREE**

Date: January 1994.

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Company: Gables Flame Retarding  
Gables House  
Arthingworth Road  
Desborough  
Northants NN14 2LT

Telephone: 01536 761253  
Facsimile: 01536 763174

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Codes: NA: not applicable ND: no data available NE: not established

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**CHEMICAL CHARACTERIZATION:**

A mixture of organic phosphonate ester acids and ammonium bromide salts.

Form: Liquid  
Clarity: Clear to slightly hazy.  
Colour: Colourless to pale straw.  
Odour: Wet: slight.  
Dry: none.

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**PHYSICAL DATA:**

Boiling point: 215-220° F  
Specific Gravity: 1.10  
pH value: 6.0 - 7.5  
Solubility: Miscible with water in all proportions  
% Volatility: 65  
Flash Point: > 200 { tag closed cup }  
Explosion limits: ND  
Ignition temperature: ND  
Evaporation rate: Slight  
Stability: Stable  
Incompatibility: Avoid strong oxidisers  
Hazardous thermal: May produce Carbon Dioxide. Ammonium  
Decomposition products: and Bromine compounds may form.  
Hazardous polymerisation: Will not occur

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Transport UN NO. }  
IMDG Code } Not listed as a hazardous substance  
ADR/RID }  
ICAO/IATA, }

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**STORAGE and HANDLING:**

Storage: Keep containers closed and away from heat, sparks and open flames. Keep from freezing. Store in cool dry area.  
Handling: Avoid inhalation of vapours or direct contact. Avoid breathing mist. Provide adequate ventilation. Wear gloves.

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**PROTECTIVE MEASURES;**

Respiratory protection:	Gauze mask, or similar.
Eyes:	Goggles or safety glasses. Eye wash station.
Hands:	Gloves, pvc, rubber or neoprene.
General:	Overalls.
Industrial hygiene:	No special precautions.

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**ACCIDENTS and FIRES:**

Spillage disposal:	Small spillages may be washed away with water to drain, observe local and legal regulations.
Extinguishing media:	Water/Fog, Alcohol foam, Carbon Dioxide or dry chemical.
Special fire fighting procedures	Use protective clothing and wear self-contained breathing apparatus.

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**EMERGENCY and FIRST AID PROCEDURES;**

Inhalation:	Remove to fresh air. Seek medical advice if symptoms persist
Acute inhalation:	Not a normal route of entry due to low vapourization potential. Airborn mists may cause irritation to mucous linings in the nose, throat and lungs. Seek medical advice if symptoms persist
Eye contact	Corrosive, can cause severe eye damage. Immediately flush with large quantities of water or eye wash for 15 minutes. Seek medical advice if symptoms persist
Skin contact:	Wash with water, pre-existing skin conditions may become aggravated with over exposure to product. Seek medical advice if symptoms persist
Ingestion:	Give large quantities of water. Do not induce vomiting. If vomiting occurs give fluid. Seek medical advice.

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**CARCINOGENICITY, MUTAGENICITY, REPRODUCTIVE, TERATOGENICITY**

No component is listed as a carcinogen. Not mutagenic.  
No reproductive or teratogenic properties are known or expected.

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Each customer is encouraged to study this MSDS carefully to become aware *of* and understand the associated material hazards. We believe the statements, technical information and recommendations herein are reliable, but are given without warrantee or guarantee expressed or implied, and we assume no responsibility for any loss, damage or expense, direct or consequential, arising from their use.

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