



# Safety Data Sheet

## STP Products Manufacturing Company

44 Old Ridgebury Road  
Suite 300  
Danbury, CT 06810  
Tel. 1-203-205-2900

### 1. Product And Company Identification

**Product Name:** Armor All® FRESH fx™ Smoke X™ Rapid Odor Eliminator-Midnight Air

**Responsible Party:** STP Products Manufacturing Company  
44 Old Ridgebury Road  
Suite 300  
Danbury, CT 06810

**Information Phone Number:** +1 203-205-2900

**Emergency Phone Number:**

For Medical Emergencies, call 1-866-949-6465 / +1 303-389-1332 (Outside US and Canada)  
For Transportation Emergencies, call 1-800-424-9300 (Chemtrec) +1-703-527-3887 for  
Outside US and Canada (call collect)

**SDS Date of Preparation:** 06/27/2018

**Product Use and Uses Advised Against:** Odor Eliminator – For consumer and professional use

### 2. Hazards Identification

Note: This product is a consumer product and is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.

**GHS Classification:**

<b>Physical:</b> Flammable Aerosol Category 1 Gases Under Pressure: Compressed Gas	<b>Health:</b> Eye Irritation Category 2A Skin Sensitizer Category 1 Toxic to Reproduction Category 2
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**GHS Label Elements:**



Danger!

Statements of Hazard	Precautionary Phrases
Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. Suspected of damaging fertility or the unborn child.	<b>Prevention</b> Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized Container. Do not pierce or burn, even after use. Avoid breathing gas, vapors or spray. Wash thoroughly after handling.



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#### Prevention Continued

Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear eye protection, and protective gloves.

#### Storage

Protect from sunlight. Do not exposure to temperatures exceeding 50°C / 122°F.  
Store locked up.

#### Disposal

Dispose of contents and container in accordance with local and national regulations

#### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical attention.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical attention.

Wash contaminated clothing before reuse.

IF exposed or concerned: Get medical attention.

### 3. Composition/Information on Ingredients

Component	CAS No.	Amount
1,1,1,2-tetrafluoroethane	811-97-2	60-70%
Ethanol	64-17-5	20-30%
Distillates (Petroleum), Hydrotreated Light	64742-47-8	1-3%
Tertiary Butyl Alcohol	75-65-0	<2%
P-T-Butyl-Alpha-Methylhydrocinnamic Aldehyde	80-54-6	<1%
Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran	16409-43-1	<1%
Geraniol	106-24-1	<1%

The exact concentrations are a trade secret.

### 4. First Aid Measures

**Inhalation:** If symptoms of exposure develop, remove to fresh air. Seek medical attention if breathing problems or irritation persist.

**Skin Contact:** Wash exposed skin with soap and water for several minutes. If skin irritation or rash develop, seek medical attention.

**Eye Contact:** Flush eyes with large amounts of water for 15 minutes. If irritation or other symptoms persist, seek medical attention.

**Ingestion:** Ingestion is not an expected route of exposure for aerosols. However, if large quantities are ingested, get medical assistance.

**Most Important Symptoms:** Contact causes eye irritation. Mists may cause mild respiratory irritation. May cause an allergic skin reaction in sensitized individuals. Prolonged overexposure may cause rapid breathing, headache, dizziness and narcosis. Swallowing may cause gastrointestinal disturbances and central nervous system effects including headache, dizziness, drowsiness, and unconsciousness. Suspected of causing damage to fertility or the unborn child.



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**Indication of Immediate Medical Attention/Special Treatment:** None required under normal use conditions.

### 5. Firefighting Measures

**Suitable (and Unsuitable) Extinguishing Media:** Use water fog, alcohol foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

**Specific Hazards Arising from the Chemical:** Extremely flammable aerosol. Contents under pressure. Keep away from ignition source and open flames. Exposure of containers to heat and flames can cause them to rupture, often with violent force. Thermal decomposition may produce carbon monoxide, carbon dioxide, fluorine compounds and hydrogen fluoride.

**Special Fire Fighting Procedures:** Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting cans.

### 6: Accidental Release Measures

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Eliminate all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing and equipment.

**Methods and Materials for Containment and Clean-Up:** Place leaking can in a pail in a well-ventilated area away from ignition sources until pressure has dissipated. Collect liquid using non-combustible absorbents and place into a suitable container for disposal.

**Environmental Precautions:** Prevent entry into storm sewers and waterways. Report spill as required by local and national regulations.

### 7. Handling and Storage

**Precautions for Safe Handling:** Avoid contact with eyes and skin. Avoid breathing spray or aerosols. Use with adequate ventilation. Keep away from heat, sparks, hot surfaces and open flames. No smoking in storage or product use area. Wash thoroughly with soap and water after handling. Keep out of the reach of children. Contents under pressure; do not puncture or incinerate containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. **U.F.C. (NFPA 30B) Level 1 Aerosol.**

### 8. Exposure Controls / Personal Protection

#### Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
1,1,1,2-tetrafluoroethane	1000 ppm TWA AIHA WEELs
Ethanol	1000 ppm STEL ACGIH TLV 1000 ppm TWA OSHA PEL
Distillates (Petroleum), Hydrotreated Light	1200 ppm TWA Manufacturer recommended
Tertiary Butyl Alcohol	100 ppm TWA ACGIH TLV 100 ppm TWA OSHA PEL
P-T-Butyl-Alpha-Methylhydrocinnamic	None Established



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Aldehyde	
Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran	None Established
Geraniol	None established

**Appropriate Engineering Controls:** General ventilation should be adequate for normal use. For operations where the TLVs may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

### Personal Protective Equipment

**Respiratory Protection:** None under normal use conditions. For operations where the exposure limits may be exceeded, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134; all applicable laws and regulations; and good industrial hygiene practice.

**Gloves:** Impervious gloves are recommended to avoid skin contact.

**Eye Protection:** None under normal use conditions. Safety glasses are recommended to avoid eye contact.

**Other Protective Equipment/Clothing:** Appropriate protective clothing as needed to avoid prolonged/ repeated skin contact.

## 9. Physical and Chemical Properties

**Appearance and Odor:** Light yellow liquid with characteristic odor in aerosol can.

<b>Physical State:</b> Liquid-based aerosol	<b>Odor Threshold:</b> Not available
<b>pH:</b> Not determined	<b>Specific Gravity:</b> Not determined
<b>Initial Boiling Point/Range:</b> Not determined	<b>Vapor Pressure:</b> Not determined
<b>Melting/Freezing Point:</b> Not determined	<b>Vapor Density:</b> Not determined
<b>Solubility In Water:</b> Not determined	<b>Percent Volatile:</b> Not determined
<b>Viscosity:</b> Not determined	<b>Evaporation Rate:</b> Not determined
<b>Relative Density:</b> Not determined	<b>VOC Content:</b> Not determined
<b>Coefficient Of Water/Oil Distribution:</b> Not determined	<b>Autoignition Temp:</b> Not determined
<b>Flash Point:</b> Not applicable (Propellant) 54°F (12.2°C) (Liquid component)	<b>Flame extension:</b> Not determined
<b>Flammability Limits:</b> LEL: 3.3% (Ethanol) UEL: 19% (Ethanol)	<b>Flammability (solid, gas):</b> Not determined
<b>Decomposition Temperature:</b> Not available	

## 10. Stability and Reactivity

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** None known

**Conditions to Avoid:** Keep away from excessive heat, sparks, open flames and direct sunlight. Containers may rupture at temperatures > 120°F (48.8°C).

**Incompatible Materials:** Strong oxidizing agents.



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**Hazardous Decomposition Products:** Thermal decomposition may produce carbon monoxide, carbon dioxide, fluorine compounds and hydrogen fluoride.

### 11. Toxicological Information

#### Potential Health Effects:

##### **Acute Hazards:**

**Inhalation:** Mist may cause mild irritation to the throat and respiratory tract. Prolonged overexposure may cause rapid breathing headache, dizziness and narcosis.

**Skin Contact:** May cause mild skin irritation. Contains geraniol which may cause an allergic skin reaction in sensitized individuals.

**Eye Contact:** Causes eye irritation with redness and tearing.

**Ingestion:** Ingestion is an unlikely route exposure for aerosol products. Swallowing may cause gastrointestinal disturbances and central nervous system effects including headache, dizziness, drowsiness and unconsciousness.

**Chronic Effects:** Contains p-t-Butyl-alpha-methylhydrocinnamic aldehyde, and Tetrahydro-4-methyl-2-(2-methylprop-1-enyl) pyran which are suspected of damaging fertility or the unborn child.

**Carcinogenicity Listing:** None of the components listed at 0.1% or greater is a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA

#### Numerical Measures of Toxicity:

Product ATE:	LD50 Oral >5,000 mg/kg LD50 Dermal > 5,000 mg/kg LC50 Inhalation > 5 mg/L
1,1,1,2-tetrafluoroethane:	LC50 Inhalation Rat: >500,000/4h.
Ethanol:	LD50 oral rat: 7060 mg/kg LC50 inhalation rat 117 – 125 mg/L/ 4 hr.
Distillates (Petroleum), Hydrotreated Light:	LD50 Oral Rat: >5000 mg/kg LD50 Skin Rabbit: >5,000 mg/kg LC50 Inhalation Rat: >5.0 mg/L/4h
Tertiary Butyl Alcohol:	LD50 Oral Rat: 2,743 mg/kg LD50 Skin Rabbit: >2,000 mg/kg LC50 Inhalation Rat: > 10,000 ppm /4 hr.
P-T-Butyl-Alpha-Methylhydrocinnamic Aldehyde:	LD50 Oral Rat: 1,390 mg/kg LD50 Skin Rat: >2,000 mg/kg LC50 Inhalation Rat: > 0.18 mg/L/7 hr.
Tetrahydro-4-methyl-2-(2-methylprop-1-enyl) pyran:	LD50 Oral Rat: >2000 mg/kg LD50 Skin Rabbit: >5000 mg/kg
Geraniol:	LD50 Oral Rat: 3600 mg/kg LD50 Skin Rabbit: >5000 mg/kg



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### 12. Ecological Information

**Ecotoxicity:** No ecotoxicity data is currently available for product.

Ethanol: LC50 Fathead Minnow 14,200 mg/L/96 hr.  
EC50: Daphnia Magna: 9268-14221 mg/L/48 hr.  
EC50 Chlorella pyrenoidosa (Green algae; growth inhibition) 9310 mg/L/48 hr.  
Distillates (Petroleum), Hydrotreated Light: Not expected to be harmful to aquatic organisms.  
Not expected to demonstrate chronic toxicity to aquatic organisms.

Tertiary Butyl Alcohol: LC50 Fathead Minnow >961 mg/L/96 hr.  
P-T-Butyl-Alpha-Methylhydrocinnamic Aldehyde:  
LC50 Danio rerio (Zebra fish) 2.04 mg/L/ 96 hr.  
EC50 Daphnia magna 9.84 mg/L/ 48 hr.

**Persistence and Degradability:** No data available for product.

Ethanol: Readily biodegradable

P-T-Butyl-Alpha-Methylhydrocinnamic Aldehyde: Readily biodegradable.

**Bio accumulative Potential:** No data available for product.

Ethanol: Not expected to bio-accumulate

**Mobility in Soil:** No data available for product.

Ethanol: Highly mobile in soil.

**Other Adverse Effects:** No data available

### 13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Offer empty containers for recycling.

### 14. Transport Information

**DOT Hazardous Materials Description:** UN1950, Aerosols, Class 2.1, Ltd Qty

**IMDG Dangerous Goods Description:** UN1950, Aerosols, 2.1, Ltd Qty

### 15. Regulatory Information

#### United States:

**EPA TSCA INVENTORY:** All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

**CERCLA Section 103:** This product has no RQ. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Classified under OSHA Hazcom 2012 GHS as per Section 2 of this SDS.

**SARA 313:** This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None



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### **Canada:**

**Canadian Environmental Protection Act:** All of the ingredients are listed on the Canadian DSL.

### **16. Other Information**

NFPA Rating (NFPA 704):	Health: 2	Fire: 3	Instability: 0
HMIS Rating:	Health: 2*	Fire: 2	Physical Hazard: 0

\*Chronic health hazard.

REVISION DATE: 06/27/2018

REVISION SUMMARY: New SDS

DATE OF PREVIOUS REVISION: N/A

DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH