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: Certified A/C Pro® Auto Air Conditioning R-134a PAG 100 Oil Charge with ICE[32]® Performance Enhancer
(SDS for product manufactured after 12/31/2017)

Product Number: PC-2

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: 05/02/2018
Product Use and Uses Advised Against: Automotive maintenance product – 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:

Physical:	Health:
Gases Under Pressure: Compressed Gas	Simple Asphyxiant

GHS Label Elements:



Warning!

Statements of Hazard	Precautionary phrases
Contains gas under pressure; may explode if heated. Simple Asphyxiant: May displace oxygen and cause rapid suffocation.	Protect from sunlight. Do not exposure to temperatures exceeding 50°C / 122°F.

3. Composition/Information on Ingredients

Component	CAS No.	Amount
1,1,1,2-tetrafluoroethane	811-97-2	25-35%
Polyalkylene glycol monobutyl ether	9003-13-8 / 9038-95-3	25-35%
ICE-32	Proprietary	25-35%

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 problem or irritation persists.

Skin Contact: Wash exposed skin with soap and water. If skin irritation or redness develops, seek medical attention. For frostbite: warm injured area in warm (tepid) water.

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

Ingestion: Ingestion is an unlikely route exposure for aerosol products.

Most Important Symptoms: May cause mild eye irritation. Direct contact with escaping gas under pressure may cause frostbite. Mists may cause mild respiratory irritation. Exposure to high concentrations can induce anesthetic effects progressing from dizziness, weakness, nausea, to unconsciousness. May cause mild skin irritation.

Indication of Immediate Medical Attention/Special Treatment: None known.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use extinguishing media suitable for surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Contents under pressure. Exposure of containers to heat and flames can cause them to rupture often with violent force. Burning may produce oxides of carbon and fluorine; 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: Ventilate the area. Wear appropriate protective clothing and equipment. Spills of liquid material may cause floors to become slippery. Use caution to prevent slip hazards.

Methods and Materials for Containment and Clean-Up: Place leaking can in a pail in a well-ventilated area until pressure has dissipated. Collect residual liquid using inert absorbents and place into a suitable container for disposal.

Environmental Precautions: Report release as required by local and national regulations.

7. Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes and skin. Avoid breathing aerosol or gas. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. 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 2 Aerosol**

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
1,1,1,2-tetrafluoroethane	1000 ppm TWA AIHA WEEL
Polyalkylene glycol monobutyl ether	None established
ICE-32	None established

Appropriate Engineering Controls: General ventilation should be adequate for normal use. For operations where the exposure limits 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 supplied air respirators 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: Safety glasses are recommended if eye contact is possible.

Other Protective Equipment/Clothing: None required.

9. Physical and Chemical Properties

Appearance and Odor: Pressurized gas and light amber with ethereal odor.

Physical State: Gas and liquid	**Odor Threshold:** Not available
pH: Not determined	**Specific Gravity:** Not determined
Initial Boiling Point/Range: -15.2°F (-26.2°C) @ 736 mm Hg (1,1,1,2-tetrafluoroethane)	**Vapor Pressure:** 4277 mm Hg at 20°C
Melting/Freezing Point: -149.8°F (-101°C) (1,1,1,2-tetrafluoroethane)	**Vapor Density:** (Air = 1) 3.3
Solubility In Water: Water solubility: 67 mg/l at 25°C (1,1,1,2-tetrafluoroethane)	**Percent Volatile:** Not determined
Viscosity: Not determined	**Evaporation Rate:** >1
Decomposition Temperature: Not available	**VOC Content:** Not determined

Coefficient Of Water/Oil Distribution: Not determined	**Autoignition Temp:** >662°F (>350°C) (1,1,1,2-tetrafluoroethane)
Flash Point: Non-Flammable	**Flame extension:** Not determined
Flammability Limits: LEL: Not determined UEL: Not determined	**Flammability (solid, gas):** Not applicable

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, and open flames. Containers may rupture at temperatures > 120°F (48.8°C)
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Burning may produce oxides of carbon and fluorine; and hydrogen fluoride.

11. Toxicological Information

Potential Health Effects:

Acute Hazards:

Inhalation: Mist can irritate the throat and respiratory tract. Exposure to high concentrations can induce anesthetic effects progressing from dizziness, weakness, nausea, to unconsciousness.

Skin Contact: May cause mild skin irritation. Contact with escaping gas under pressure may cause frostbite.

Eye Contact: Direct contact may cause mild eye irritation with redness, and tearing.

Ingestion: Ingestion is an unlikely route exposure for aerosol products. Swallowing may cause gastrointestinal disturbances.

Chronic Effects: None known

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

Numerical Measures of Toxicity:

1,1,1,2-tetrafluoroethane:	LC50 Inhalation Rat: >500,000/4 hr.
Polyalkylene glycol monobutyl ether:	LD50 Oral Rat: >5,000 mg/kg
	LD50 Skin Rabbit: >5,000 mg/kg
ICE 32:	Not acutely toxic

12. Ecological Information

Ecotoxicity: No ecotoxicity data is currently available for product.

Persistence and Degradability: No data available for product.

Bio accumulative Potential: No data available for product.

Mobility in Soil: No data available for product.

Other Adverse Effects: None

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: UN2037, Receptacles, small, containing gas, 2.2, LTD QTY

IMDG Hazardous Materials Description: UN2037, Receptacles, small, containing gas, 2.2, 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: Spills of this product have no RQ (reportable quantity), however, oil spills must be reported to the National Response Center. 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.

16. Other Information

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

REVISION DATE: 05/02/2018

REVISION SUMMARY: Changes to Section 3.

PREVIOUS REVISION DATE: 11/30/2017

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