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 AC Pro® Auto Air Conditioning Super Seal for R-134a AC Systems
(SDS for product manufactured after 12/31/2017.)

Product Number: 325PLV

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:
Flammable Aerosol Category 1 Gases Under Pressure: Compressed Gas	Eye Damage Category 1 Skin Irritation Category 2 Skin sensitizer Category 1

GHS Label Elements:



Danger!

Statements of Hazard	Precautionary phrases
Contains gas under pressure; may explode if heated. Extremely flammable aerosol Causes serious eye damage. Causes skin irritation May cause an allergic skin reaction. Simple Asphyxiant: May displace oxygen and cause rapid suffocation.	**Prevention** Wash thoroughly after handling. Avoid breathing mist, vapors or spray. Contaminated work clothing must not be allowed out of the workplace. Wear eye protection, protective gloves and protective clothing.

Precautionary phrases continued. **Response** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.	**Storage** Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not exposure to temperatures exceeding 50°C / 122°F. **Disposal** Dispose of contents and container in accordance with local and national regulations.

3. Composition/Information on Ingredients

Component	CAS No.	Amount
1,1,1,2-tetrafluoroethane	811-97-2	40-60%
Polyalkylene glycol monobutyl ether	9003-13-8 / 9038-95-3	10-15%
vinyltrimethoxysilane	2768-02-7	10-15%
Linear alkylate additive	Trade Secret	5-10%
N-beta-(amino ethyl)-gamma-aminopropyltrimethoxysilane	1760-24-3	5-10%
Methyltrimethoxysilane	Trade Secret	1-5%
Dibasic acid ester	Trade Secret	1-5%

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 for several minutes. If skin irritation or rash develops, seek medical attention. For frostbite: warm injured area in warm (tepid) water.

Eye Contact: Flush eyes with large amounts of water for 20 minutes. If irritation or other symptoms develop, seek immediate medical attention.

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

Most Important Symptoms: Causes severe eye irritation and possible damage. Direct contact with escaping gas under pressure may cause frostbite. Causes skin irritation. May cause an allergic skin reaction in some individuals. Mists may cause mild respiratory irritation. Exposure to high concentrations can induce anesthetic effects progressing from dizziness, weakness, nausea, to unconsciousness. Ingestion may cause abdominal discomfort or pain, nausea, vomiting, drowsiness, and central nervous system effects.

Indication of Immediate Medical Attention/Special Treatment: Immediate medical attention is required for eye contact.

5. Firefighting Measures

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

Specific Hazards Arising from the Chemical: Extremely flammable aerosol. 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.

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 ignition sources. Ventilate area. 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 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. Keep away from heat, sparks, open flames and all other sources of ignition. 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 WEELs
Polyalkylene glycol monobutyl ether	None established
Vinyltrimethoxysilane	None established
Linear alkylate additive	None established
N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane	None established
Methyltrimethoxysilane	None established
Dibasic acid ester	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: Wear impervious gloves to avoid skin contact.

Eye Protection: Splash proof goggles are recommended to prevent eye contact.

Other Protective Equipment/Clothing: Appropriate protective clothing as needed to minimize skin contact.

9. Physical and Chemical Properties

Appearance and Odor: Pressurized gas and Reddish liquid with ethereal odor.

Physical State: Gas and liquid	**Odor Threshold:** Not available
pH: Not available	**Specific Gravity:** 0.995 (Liquid component)
Initial Boiling Point/Range: -26.5°C @ 736 mm Hg (1,1,1,2-tetrafluoroethane)	**Vapor Pressure:** 4268mm Hg at 20°C
Melting/Freezing Point: -15.7 °F (<-26.5°C)	**Vapor Density:** (Air = 1) 3.3
Solubility In Water: Slightly soluble.	**Percent Volatile:** >50%
Viscosity: 7.2cst @ 40° C (Liquid component)	**Evaporation Rate:** (n-butyl acetate = 1.0) Not available
Decomposition Temperature: Not available	**VOC Content:** Not determined
Coefficient Of Water/Oil Distribution: Not determined	**Autoignition Temp:** Not available
Flash Point: 83°F (28.3°C) (Liquid component)	**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: Reaction with strong oxidizers may cause fire.
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.

11. Toxicological Information

Potential Health Effects:

Acute Hazards:

Inhalation: Mists may cause mild respiratory irritation. Exposure to high concentrations can induce anesthetic effects progressing from dizziness, weakness, nausea, to unconsciousness.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction in some individuals. Direct contact with escaping gas under pressure may cause frostbite.

Eye Contact: Causes severe eye irritation and possible damage.

Ingestion: Ingestion is an unlikely route exposure for aerosol products. Ingestion may cause abdominal discomfort or pain, nausea, vomiting, drowsiness, and central nervous system effects.

Chronic Effects: None expected.

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:	LD50 Oral: >2000 mg/ kg ATE LD50 Skin: >2000 mg/ kg ATE LD50 Inhalation: 8.21 mg/L ATE (Dust/mist)
1,1,1,2-tetrafluoroethane:	LC50 Inhalation Rat: >500,000/4hr.
Polyalkylene glycol monobutyl ether:	LD50 Oral Rat: >5,000 mg/kg LD50 Skin Rabbit: >5,000 mg/kg
Vinyltrimethoxysilane:	LD50 Oral Rat: 7.34 ml/kg LD50 Skin Rabbit: 3.36 ml/kg LC50 Inhalation Rat: 16.8 mg/L/4 hr. (vapor)
Linear alkylate additive:	LD50 Oral Rat > 2,000 mg/kg LD50 Dermal Rabbit > 1,000 mg/kg
N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane:	LD50 Oral Rat: 7.34 mg/kg LD50 Skin Rabbit: 3.36 ml/kg LC50 Inhalation Rat: 1.49 mg/L/4 hr. (Aerosol)
Methyltrimethoxysilane:	LD50 Oral Rat >2,000 mg/kg LD50 Skin Rabbit >2,000 mg/kg
Dibasic acid ester:	LD50 Oral Rat > 2,000 mg/kg LD50 Dermal Rabbit > 1,000 mg/kg

12. Ecological Information

Ecotoxicity: No ecotoxicity data is currently available for product.

Polyalkylene glycol monobutyl ether:	Testing of a similar substance indicates material is non-toxic to aquatic life.
Vinyltrimethoxysilane:	LC50 Oncorhynchus mykiss 191 mg/L/ 96 hr. EC50 Daphnia magna >10,000 mg/L/48 hr.
Linear alkylate additive:	Harmful to aquatic life.
N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane:	LC50 Danio rerio 597 mg/L/ 96 hr. EC50 Daphnia magna 81 mg/L/48 hr.
Dibasic acid ester:	Harmful to aquatic life.

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, 2.1, LTD QTY

IMDG Dangerous Goods Description:

UN2037, Receptacles, small, containing gas, 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 (reportable quantity). 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: 3	Fire: 3	Instability: 0
HMIS Rating:	Health: 3	Fire: 3	Physical Hazard: 0

REVISION DATE: 5/2/2018

REVISION SUMMARY: Correction Section 3.

PREVIOUS REVISION DATE: 3/6/2018

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