



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: Formula # 207334 (Pro-Series Intake Valve Cleaner - Aerosol)

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: 07/19/2019

Product Use and Uses Advised Against: Automotive maintenance product – Consumer product

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	Acute Toxicity Category 4 (Inhalation) Aspiration Hazard Category 1 Eye Damage Category 1 Skin Irritant Category 2 Skin Sensitizer Category 1 Specific Target Organ Toxicity – Repeat Exposure Category 2 Specific Target Organ Toxicity – Single Exposure Category 3 (Irritation, CNS affects) Carcinogen Category 2

GHS Label Elements:



Danger!



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Statements of Hazard

H222 Extremely flammable aerosol.
 H280 Contains gas under pressure; may explode if heated.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H351 Suspected of causing cancer.
 H373 May cause damage to hearing, through prolonged or repeated exposure.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P331 Do NOT induce vomiting.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P333 + P313 If skin irritation or rash occurs: Get medical attention.
 P363 Wash contaminated clothing before reuse.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTER or doctor if you feel unwell.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor.
 P308 + P313 IF exposed or concerned: Get medical attention.

Precautionary Phrases**Prevention**

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat, sparks, open flames, and hot surfaces. - No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P261 Avoid breathing gas and spray.
 P264 Wash thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P280 Wear eye protection and protective gloves.

Storage

P403 Store in a well-ventilated place.
 P405 Store locked up.
 P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal

P501 Dispose of contents and container in accordance with local and national regulations.

3. Composition/Information on Ingredients

Component	CAS No.	Amount
Carbon Dioxide (Propellant)	124-38-9	1-5%
Butyl cellosolve	111-76-2	25-40%
Xylene	1330-20-7	25-40%
Ethyl benzene	100-41-4	1-10%
Polyether amine	Proprietary	1-10%
Alkenyl amine	Proprietary	<5%
Alkyl aminoester	Proprietary	<5%
Triethanolamine	102-71-6	<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 symptoms persist.



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Skin Contact: Wash skin with soap and water for several minutes. If skin irritation or rash develops, get medical attention.

Eye Contact: Immediately flush eyes with large amounts of water for 20 minutes. Get immediate medical assistance.

Ingestion: DO NOT induce vomiting. If the victim is fully conscious, have them rinse their mouth with water. Get immediate medical assistance by calling a doctor or poison center. Never give anything by mouth to a person who is unconscious or drowsy.

Most Important Symptoms: Causes severe eye irritation and possible damage. Causes skin irritation. May cause an allergic skin reaction in sensitive individuals. Harmful if inhaled. High concentrations may cause irritation to the respiratory tract, may cause Central Nervous System (CNS) effects such as headache and dizziness. Aspiration hazard – may enter the lungs during swallowing or vomiting and cause serious lung damage, which may be fatal. Ingestion may also cause irritation of mouth, esophagus and stomach, with nausea, vomiting, diarrhea and abdominal pain. May cause damage to hearing, liver, and kidneys through repeated or prolonged exposure. Suspected of causing cancer.

Indication of Immediate Medical Attention/Special Treatment: Immediate medical treatment is required for ingestions which may result in an aspiration hazard. Material may enter the lungs during swallowing or vomiting and cause serious lung damage, which may be fatal. Immediate medical attention is also required for direct eye contact.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical.

Specific Hazards Arising from the Chemical: Extremely flammable aerosol. Contents under pressure. Closed containers may rupture if exposed to extreme heat. Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. 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 as described in section 8.

Methods and Materials for Containment and Clean-Up: Place leaking can in a well-ventilated area until propellant has dissipated, if safe to do so. Collect liquid using non-combustible absorbents and place into a suitable container for disposal.

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

7. Handling and Storage

Precautions for Safe Handling: Keep away from heat, sparks, flames, pilot lights, electric motors and all other sources of ignition. Do not spray on hot surfaces. Do not smoke while using. Keep can away from sources of



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electricity. Use only outdoors or in a well-ventilated area. Avoid breathing spray. Avoid contact with eyes and skin. Wash with soap and water after use. 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 3 Aerosol.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Carbon Dioxide	5,000 ppm TWA OSHA PEL 5,000 ppm TWA, 30,000 ppm STEL ACGIH TLV
Butyl cellosolve	50 ppm TWA OSHA PEL 20 ppm TWA ACGIH TLV
Xylene	100 ppm TWA OSHA PEL 100 ppm TWA, 150 ppm STEL ACGIH TLV
Ethyl benzene	100 ppm TWA OSHA PEL 20 ppm TWA ACGIH TLV
Polyether amine	None Established
Alkenyl amine	None Established
Alkyl aminoester	None Established
Triethanolamine	5 mg/m ³ TWA ACGIH TLV

Appropriate Engineering Controls: Use outdoors or with good general ventilation.

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 local and national regulations; and good industrial hygiene practice.

Gloves: None required for normal use. Impervious gloves are recommended for prolonged or repeated skin contact.

Eye Protection: Avoid eye contact. Always spray away from face. Wear safety glasses if eye contact is possible.

Other Protective Equipment/Clothing: None required under normal use conditions.

9. Physical and Chemical Properties

Appearance and Odor: Amber liquid with a characteristic odor in an aerosol can.

Physical State: Liquid-based aerosol	Odor Threshold: Not available
pH: Not determined	Relative Density: 0.902 (Liquid component)
Initial Boiling Point/Range: 277.2-741.7°F (136.2-394.3°C) (Liquid component)	Vapor Pressure: Not determined
Melting/Freezing Point: Not determined	Vapor Density: Not determined
Solubility In Water: Insoluble	Percent Volatile: ~100
Viscosity: 2.4 mm ² /s at 104 °F (40 °C) (Liquid component)	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	VOC Content: Not determined



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Flash Point: 97°F (36°C) (Liquid component)	Autoignition Temp: Not determined
Flammability Limits: LEL: Not determined UEL: Not determined	Flame extension: Not determined
Decomposition Temperature: Not available	Flammability (solid, gas): Extremely flammable aerosol.

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 and open flames. Avoid direct sunlight. Do not puncture container. Containers may rupture at temperatures > 120°F (48.8°C)

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11. Toxicological Information

Potential Health Effects:

Acute Hazards:

Inhalation: Harmful if inhaled. High concentrations may cause irritation to the respiratory tract, and may cause Central Nervous System (CNS) effects such as headache and dizziness.

Skin Contact: Causes skin irritation. Contains Alkenyl amine, and Alkyl aminoester which may cause an allergic skin reaction in sensitized individuals.

Eye Contact: Causes severe eye irritation with possible damage.

Ingestion: Ingestion is an unexpected route of exposure for aerosol products. However, if the liquid portion of this material it should be considered as an aspiration hazard. Material may enter the lungs during swallowing or vomiting and cause serious lung damage, which may be fatal. Ingestion may also cause irritation of mouth, esophagus and stomach, with nausea, vomiting, diarrhea and abdominal pain.

Chronic Effects: Prolonged overexposure may cause damage to liver, kidney, and hearing.

Carcinogenicity Listing: Ethylbenzene is classified by IARC as a possible human carcinogen (group 2B). None of the other components are listed as carcinogens or potential carcinogens by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Calculated ATE: LD50 Oral >2000 mg/kg
 LD50 Skin >2000 mg/kg
 LC50 Inhalation 10 - 20 mg/L/ 4hr.

Carbon Dioxide: Not acutely toxic

Butyl cellosolve: LD50 Oral Rat: 1,746 mg/kg
 LD50 Skin Rat: >2000 mg/kg
 LC50 Inhalation Rat: 2.56 mg/L/ 4hr



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Xylene:	LD50 Oral Rat: 4300 mg/kg LD50 Skin Rabbit: >1700mg/kg LC50 Inhalation Rat: 5000 ppm/4 hr
Ethyl benzene:	LD50 Oral Rat: 3500 mg/kg
Polyether amine:	Not disclosed
Alkenyl amine:	Not disclosed
Alkyl aminoester:	Not disclosed
Triethanolamine:	LD50 Oral Rat: 6400 mg/kg LD50 Skin Rabbit: >2000 mg/kg LC0 Inhalation Rat: 0.0018 mg/L/8 hr. (Saturated atmosphere)

12. Ecological Information

Ecotoxicity: Toxic to aquatic life.

Butyl cellosolve:	LC50 Rainbow Trout: 1,471 mg/L/96 hr EC50 Daphnia Magna: 1,550 mg/L/48 hr.
Xylene:	LC50 Rainbow Trout: 2.6 mg/L/96 hr. EC50 Daphnia Magna: 3.82 mg/L/48 hr.
Ethyl benzene:	LC50 Rainbow Trout: 4.2 mg/L/96 hr. EC50 Daphnia Magna: 1.8 mg/L/48 hr.
Alkenyl amine:	LC50 Fathead Minnow: 0.11 mg/L/96 hr. EC50 Daphnia Magna: 0.11 mg/L/48 hr.
Triethanolamine:	LC50 Rainbow Trout: 11,800 mg/L/96 hr EC50 Ceriodaphnia dubia 609.88 mg/L/48 hr.

Persistence and Degradability:

Butyl cellosolve:	Readily biodegradable
Xylene:	Readily biodegradable
Ethyl benzene:	Readily biodegradable
Alkenyl amine:	Not readily biodegradable
Triethanolamine:	Readily biodegradable

Bio accumulative Potential:

Butyl cellosolve:	Log Kow: 0.81
Xylene:	Log Kow: 3.15 / Bioconcentration Factor (BCF): 23.99
Ethyl benzene:	Log Kow: 3.6 / Bioconcentration Factor (BCF): 1
Alkenyl amine:	Log Kow: 7.5 / Bioconcentration Factor (BCF): 500
Triethanolamine:	Log Kow: -1.9

Mobility in Soil: No data available

Other Adverse Effects: No data available



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13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Do not incinerate or place container into trash compactor.

14. Transport Information

DOT Hazardous Materials Description: UN1950, Aerosols, Class 2.1, LTD QTY

IMDG Dangerous Goods Description: UN1950, Aerosols, Class 2.1, LTD QTY

Canadian TDG Hazardous Materials Description: UN1950, Aerosols, Class 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 an RQ of 250 lbs. based on the RQ for Xylene of 100 lbs. present at 40% maximum. 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): Refer to Section 2 for OSHA Hazard Classification

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372):

Xylene <40%
 Ethyl Benzene <10%

Canada:

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

16. Other Information

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

*Chronic health hazard.

REVISION DATE: 07/19/2019

REVISION SUMMARY: New SDS.

DATE OF PREVIOUS REVISION: N/A

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