



® Material Safety Data Sheet

The Armor All/STP Products Company

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

1. Product And Company Identification

Product Name: ARMOR ALL® Rim Protectant

Responsible Party: The Armor All/STP Products 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)

MSDS Date Of Preparation: 03/21/12

Product Use: Automotive maintenance product – For consumer and professional use

2. Hazards Identification

EMERGENCY OVERVIEW

WARNING: Flammable aerosol. Contents under pressure. Combustible liquid and vapor. Harmful if swallowed. May cause mild eye, and skin irritation. Mists may cause respiratory irritation. Avoid eye contact. Keep away from heat, sparks and all other sources of ignition.

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Liquefied Petroleum Gas (propane, isobutane)	74-98-6 / 75-28-5	40-60%
Decamethylcyclopentasiloxane	541-02-6	40-60%
Triethoxyoctylsilane	2943-75-1	1-5%

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: Remove contaminated clothing. Wash exposed skin with soap and water. If skin irritation or redness develops, seek medical attention.

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

Ingestion: Get medical assistance by calling an emergency room or poison control center. Never give anything by mouth to a person who is unconscious or drowsy.

5. Firefighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

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

Unusual Fire Hazards: Contents under pressure. Keep away from ignition source and open fire. Exposure of containers to heat and flames can cause them to rupture often with violent force. Combustible liquid and vapor.

Hazardous Combustion Products: Burning may produce carbon monoxide, carbon dioxide, silicone dioxide and formaldehyde.

6: Accidental Release Measures

Personal Precautions: Eliminate all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing and equipment.

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

Methods 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.

7. Handling and Storage

Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use with adequate ventilation. Keep away from heat, sparks, hot surfaces and open flames. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture or incinerate containers.

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

CHEMICAL	EXPOSURE LIMIT
Propane	1000 ppm TWA OSHA PEL
	1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
Isobutane	1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
Decamethylcyclopentasiloxane	10 ppm TWA Manufacturer recommended
Triethoxyoctylsilane	None Established

Ventilation: General ventilation should be adequate for normal use. For operations where the TLV may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits. Use explosion proof equipment where required.

Respiratory Protection: None under normal use conditions. For operations where the TLV 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 for prolonged or repeated skin contact.

Eye Protection: Safety glasses are recommended if eye contact is possible.



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

9. Physical and Chemical Properties

Appearance And Odor: Liquid in aerosol can.

pH: Not determined	Specific Gravity: ~0.96
Boiling Point: Not determined	Vapor Pressure: Not determined
Freezing Point: Not determined	Vapor Density: Not determined
Solubility in Water: Slight	Percent Volatile: Not determined
Viscosity: Not determined	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	Viscosity: Not available
Flash Point: 174.2°F (79°C) (For liquid)	Autoignition Temp: Not determined
Flammability Limits: LEL: 1.8% (Liquefied Petroleum Gas)	UEL: 9.5% (Liquefied Petroleum Gas)
Flame extension: 14" with flash back	

10. Stability and Reactivity

Stability: Stable

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

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: Burning may produce carbon monoxide, carbon dioxide, silicone dioxide and formaldehyde.

11. Toxicological Information

Acute Hazards:

Inhalation: Mist can irritate the throat and respiratory tract. Prolonged inhalation of propellant may cause symptoms of central nervous system depression including headache, dizziness, nausea, loss of balance, and drowsiness.

Skin Contact: May cause mild skin irritation with redness, itching and burning of the skin.

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

Ingestion: If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing large amounts may be harmful.

Chronic Hazards: Exposures to decamethylcyclopentasiloxane has caused the following effects in laboratory animals: Liver enlargement due to an increase in metabolizing enzymes. When the exposure was stopped the livers returned to normal.

Medical Conditions Aggravated By Exposure: None known.

Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA. Decamethylcyclopentasiloxane: A statistically significant increase in the trend for uterine endometrial



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tumors was observed in female rats exposed for 24 months at the highest dose level of 160 ppm.

Acute Toxicity Values:

Propane	LC50 Rat inhalation >800,000 ppm
Isobutane	LC50 Rat inhalation 658 mg/l/4 hr
Decamethylcyclopentasiloxane	LC50 Rat inhalation >2700 mg/m ³ /4 hr; LD50 Rat oral >24134 mg/kg; LD50 Rabbit Dermal 16 mL/kg
Triethoxyoctylsilane	LD50 Rat oral 10.06 mL/kg; LD50 Rabbit Dermal 5.91 mL/kg

12. Ecological Information

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:

Proper Shipping Name: Consumer Commodity
UN Number: None
Hazard Class/Packing Group: ORM-D
Labels Required: None required

Canadian TDG Hazardous Materials Description:

Proper Shipping Name: Consumer Commodity
UN Number: None
Hazard Class/Packing Group: None
Labels Required: None

IMDG Dangerous Goods Description: UN1950, Aerosols, 2.1

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): Fire Hazard, Sudden Release of Pressure

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements



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Under SARA Title III, Section 313 (40 CFR 372): None

Canada:

Canadian WHMIS Classification: Class B-5 (Flammable Aerosol)

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

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Rating (NFPA 704):	Health: 1	Fire: 4	Instability: 0
HMIS Rating:	Health: 1	Fire: 4	Reactivity: 0

REVISION SUMMARY: Changes to section 2.

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