



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® Carpet & Upholstery Cleaner

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)

SDS Date Of Preparation: 06/10/14

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 Irritant Category 2A Skin Sensitizer Category 1

GHS Label Elements:



Danger!

Statements of Hazard

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye irritation
May cause an allergic skin reaction.

Prevention

Keep away from heat, sparks, open flames, and hot surfaces.
No smoking.
Do not spray on an open flame or other ignition source.
Wash exposed skin thoroughly after handling.
Avoid breathing vapors, or spray.
Contaminated work clothing should not be allowed out of the workplace.
Wear eye protection, and protective gloves.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.



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If eye irritation persists: Get medical attention.
IF ON SKIN: Wash with plenty of water and soap.
If skin irritation or rash occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.
Do not pierce or burn, even after use.
Protect from sunlight. Do not exposure to temperatures exceeding 50°C / 122°F.
Dispose of contents and container in accordance with local and national regulations.

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Propellant (propane, butane)	74-98-6 / 106-97-8	1 - 5%
Diethylene Glycol monobutyl ether	112-34-5	1 - 5%
Sodium lauroyl sarcosinate	137-16-6	< 1.0%
Morpholine	110-91-8	< 1.0%
Fragrance	Proprietary	< 1.0%

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.

Skin Contact: 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 for 15 minutes. If irritation or other symptoms persist, seek medical attention.

Ingestion: If the victim is fully conscious, have them drink a glass of water. Get 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 eye irritation. May cause mild skin irritation in some individuals. May cause an allergic skin reaction in sensitive individuals.

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

5. Firefighting Measures

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

Specific Hazards Arising from the Chemical: 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 will generate oxides of carbon.

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.



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6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate protective 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, skin, and clothing. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep out of the reach of children. 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
Propane	1000 ppm TWA OSHA PEL
	1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
Butane	1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
Diethylene Glycol monobutyl ether	10 ppm TWA ACGIH TLV (Inhalable fraction and vapor)
Sodium lauroyl sarcosinate	None Established
Morpholine	20 ppm TWA OSHA PEL (Skin)
	20 ppm TWA ACGIH TLV (Skin)
Fragrance	None Established

Appropriate Engineering Controls: General ventilation should be adequate for all 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.

Personal Protective Equipment

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 or goggles are recommended if eye contact is possible.

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



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9. Physical and Chemical Properties

Appearance And Odor: White foam in an aerosol can.

Physical State: Liquid-based aerosol	Odor Threshold: Not available
pH: 9.85	Specific Gravity: 0.97 – 1.03
Initial Boiling Point/Range: Not determined	Vapor Pressure: Not determined
Melting/Freezing Point: Not determined	Vapor Density: Not determined
Solubility In Water: Complete	Percent Volatile: Not determined
Viscosity: Not determined	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	VOC Content: Not determined
Flash Point: -156°F (-104.4°C)	Autoignition Temp: Not determined
Flammability Limits: LEL: 1.9% (Liquefied Petroleum Gas) UEL: 9.5% (Liquefied Petroleum Gas)	Flame extension: Not determined
Decomposition Temperature: Not available	Flammability (solid, gas): Not applicable

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions.

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

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition will generate oxides of carbon.

11. Toxicological Information

Potential Health Effects:

Acute Hazards:

Inhalation: Mists may cause mild respiratory irritation.

Skin Contact: May cause mild irritation in some individuals. Prolonged or repeated contact may cause an allergic skin reaction in sensitive individuals.

Eye Contact: Direct contact causes eye irritation with redness and tearing.

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

Chronic Effects: None currently known.

Carcinogenicity Listing: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Numerical Measures of Toxicity:

Propane: LC50 Inhalation Rat >800,000 ppm



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Butane: LC50 Inhalation Rat 658 mg/m³/4 hr.

Diethylene Glycol monobutyl ether:

LD50 Oral Rat: 5660 mg/kg

LD50 Skin Rabbit: 2700 mg/kg

Sodium lauroyl sarcosinate:

LD50 Oral Rat: >5000 mg/kg

LD50 Skin Rat: >2000 mg/kg

Morpholine:

LD50 Oral Rat: 1900 mg/kg

LD50 Skin Rabbit: 500 mg/kg

12. Ecological Information

Ecotoxicity: No ecotoxicity data is currently available for product.

Diethylene Glycol monobutyl ether: LC50 Lepomis macrochirus (Bluegill sunfish) 1300 mg/L/96 hr.

Sodium lauroyl sarcosinate: EC50 Brachydanio rerio (Zebra Fish) 107 mg/L/ 96

EC50 Daphnia Magna: 29.7 mg/L/48 hr.

Morpholine:

LD50 Oncorhynchus mykiss 180 mg/L/96 hr.

EC50 Daphnia Magna: 45 mg/L/48 hr.

Persistence and Degradability: No data available for product.

Sodium lauroyl sarcosinate: Readily biodegradable

Morpholine: Readily biodegradable

Bio accumulative Potential: No data available for product.

Diethylene Glycol monobutyl ether: An estimated BCF of 3 suggests the potential for bioconcentration in aquatic organisms is low

Morpholine: BCF < 2.8

Mobility in Soil: No data available for product.

Diethylene Glycol monobutyl ether: Is expected to have very high mobility in soil

Morpholine: 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.

Do not incinerate or place container into trash compactor.

14. Transport Information

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

Canadian TDG Hazardous Materials Description: Consumer Commodity. Limited Quantity.



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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): Acute Health, Fire Hazard, Sudden Release of Pressure

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

Canada:

Canadian WHMIS Classification: Class B-5 (Flammable Aerosol); Class D-2-B (Eye Irritant)

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

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

16. Other Information

NFPA Rating (NFPA 704):	Health: 2	Fire: 4	Instability: 0
HMIS Rating:	Health: 2	Fire: 2	Physical Hazard: 0

REVISION SUMMARY: Formulation change. Update to OSHA Hazcom 2012 GHS. Changes to all sections.

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