



® 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® Auto Glass 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)

MSDS Date Of Preparation: 11/07/11

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

2. Hazards Identification

EMERGENCY OVERVIEW

May cause eye irritation. Ingestion of large amounts may cause gastrointestinal effects. Under normal conditions of use, no adverse effects are expected.

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Propylene glycol n-butyl ether	5131-66-8	1-5%
Isopropyl Alcohol (Isopropanol)	67-63-0	1-5%
Non-Hazardous Ingredients	Mixture	95 -100%

4. First Aid Measures

Inhalation: If symptoms of exposure develop, remove to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Rinse with plenty of water. If skin irritation or redness develops, seek medical attention.

Eye Contact: Flush eyes with plenty of water. 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.

5. Firefighting Measures

Extinguishing Media: This product will not sustain combustion. Use any media that is appropriate for the surrounding fire. Cool fire exposed containers with water.

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.

Unusual Fire Hazards: This product contains a very small amount of a flammable liquid. Flammable vapors may collect in confined areas. Closed containers may explode if exposed to extreme heat.



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Hazardous Combustion Products: None known.

6: Accidental Release Measures

Personal Precautions: Eliminate all sources of ignition. Ventilate the area. Wear appropriate protective 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: Absorb with an inert material. Collect into a suitable container for disposal.

7. Handling and Storage

Avoid contact with eyes. Avoid breathing vapors or mists. Use with adequate ventilation. Keep containers closed when not in use.

Store in a cool, dry, well ventilated area.

8. Exposure Controls / Personal Protection

CHEMICAL	EXPOSURE LIMIT
Propylene glycol n-butyl ether	50 ppm TWA (manufacturer recommended)
Isopropyl Alcohol (Isopropanol)	400 ppm TWA OSHA PEL 200 ppm TWA, 400 ppm STEL ACGIH TLV
Non-Hazardous Ingredients	None Established

Ventilation: General ventilation should be adequate for all normal use.

Respiratory Protection: None under normal use conditions. For operations where the TLV may be exceeded, a NIOSH approved respirator with an organic vapor cartridge or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Gloves: None normally required. Impervious gloves such as rubber, neoprene or nitrile can be used if needed to avoid prolonged or repeated skin contact.

Eye Protection: None required for normal use. Avoid eye contact. Safety glasses or goggles are recommended if eye contact is possible.

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

9. Physical and Chemical Properties

Appearance And Odor: Liquid with a citrus odor.

pH: 9 - 11	Specific Gravity: 1.0 @ 25°C
Boiling Point: 212°F (100°C)	Vapor Pressure: Not determined
Freezing Point: Not determined	Vapor Density: Not determined



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Solubility In Water: Easily soluble	Percent Volatile: Not determined
Viscosity: Not determined	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	Viscosity: Not available
Flash Point: 147°F (63.9°C)	Autoignition Temp: Not determined
Flammability Limits: LEL: 1.1 % (Propylene glycol n-butyl ether)	UEL: 12% (Isopropyl Alcohol)

10. Stability and Reactivity

Stability: Stable

Conditions To Avoid: Keep away from excessive heat, and open flames.

Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: Thermal decomposition will generate carbon monoxide, and carbon dioxide.

11. Toxicological Information

Acute Hazards:

Inhalation: Inhalation of high vapor concentrations may cause upper respiratory tract irritation with coughing and sneezing.

Skin Contact: Prolonged or repeated contact may cause irritation and dryness in some individuals.

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

Ingestion: Swallowing may cause gastrointestinal disturbances.

Chronic Hazards: None currently known.

Medical Conditions Aggravated By Exposure: None currently known.

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

Acute Toxicity Values:

Isopropanol: LD50 oral rat 5045 mg/kg; LD50 dermal rabbit 12,800 mg/kg

Propylene glycol n-butyl ether: LD50 oral rat 5660 uL/kg; LD50 dermal rabbit 3,100 mg/kg

12. Ecological Information

Isopropanol: LC50 fathead minnows (*Pimephales promelas*), 9,640-10,400 mg/L/96 hr
EC50 water flea (*Daphnia magna*), immobilization: 7,550-13,299 mg/L/48 hr
EC50 alga *Scenedesmus* sp., Growth rate inhibition: >1,000 mg / 72 hr
Propylene glycol n-butyl ether: LC50 water flea (*Daphnia magna*): > 1,000 mg/L

This product is not expected to be harmful to the environment.



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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: Not Regulated

Canadian TDG Hazardous Materials Description: Not Regulated

IMDG Dangerous Goods Description: Not Regulated

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

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: Not a controlled product.

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: 2	Instability: 0
HMIS Rating:	Health: 1	Fire: 2	Reactivity: 0

REVISION SUMMARY: New MSDS

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