



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® Foaming Cleaner & Engine Degreaser

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: 11/04/2016

Product Use and Uses Advised Against: Auto cleaning product – For consumer 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:
Non-Hazardous	Eye Damage Category 1 Skin Irritation Category 2

GHS Label Elements:



DANGER!

Statements of Hazard

Causes serious eye irritation.
Causes skin irritation.

Precautionary Phrases

Wash exposed skin thoroughly after handling.
Wear protective gloves, and eye protection.
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.
IF ON SKIN: Wash with plenty of water and soap.
If skin irritation occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse



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Hazards not otherwise classified: None

3. Composition/Information on Ingredients

Component	CAS No.	Amount
Diethylene glycol monobutyl ether	112-34-5	<3%
Alcohols, ethoxylated	66455-15-0	<2%
Ethylene glycol monohexyl ether	112-25-4	<2%

The specific identity and/or exact percentage (concentration) of composition has been withheld as 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 with plenty of water and soap. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Eye Contact: Immediately flush eyes with large quantities of water for at least 20 minutes, holding the eyelids apart. Get immediate medical attention.

Ingestion: Do not induce vomiting unless directed to by a doctor or physician. If the victim is fully conscious, have them rinse their mouth with 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 skin irritation. Causes severe eye irritation with possible damage. Inhalation of mists may mild cause respiratory irritation. Ingestion causes gastrointestinal irritation.

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

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use any media that is suitable for the surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising From the Chemical: Closed containers may rupture if exposed to extreme heat. May release oxides of carbon under fire conditions.

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.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Evacuate spill area and keep unprotected personnel away. Wear appropriate protective clothing and equipment as described in Section 8.

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



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Methods and Materials for Containment / Cleanup: Absorb with an inert material. Collect into a suitable container for disposal. Rinse area with water.

7. Handling and Storage

Precautions for Safe Handling: Prevent eye contact. Avoid skin contact. Avoid breathing mists or vapors. Use only with appropriate protective equipment. Launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities.

Empty containers retain product residue and may be hazardous. Do not cut, weld, drill, etc. containers, even empty. Do not reuse empty containers.

Conditions for Safe Storage, Including Any Incompatibilities:

Protect containers from physical damage. Store in a cool, well-ventilated area away from strong acids, bases, oxidizers, and other incompatible materials.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Diethylene glycol monobutyl ether	10 ppm TWA ACGIH TLV (Inhalable fraction and vapor)
Alcohols, ethoxylated	None Established
Ethylene glycol monoethyl ether	20 ppm TWA Manufacturer Recommendation

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

Personal Protective Equipment

Respiratory Protection: Good general ventilation (equivalent to outdoors) should be adequate under normal conditions. For operations where exposure limits may be exceeded use a NIOSH approved respirator (mask) with appropriate eye protection. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134, and all other applicable regulations; and good Industrial Hygiene practice.

Gloves: Impervious gloves such as rubber, neoprene or nitrile are recommended.

Eye Protection: Wear chemical safety goggles if eye contact is possible.

Other Protective Equipment/Clothing: Use protective clothing as necessary to avoid skin contact.

9. Physical and Chemical Properties

Appearance and Odor: Clear, colorless liquid with a lemon odor.

Physical State: Liquid.	Odor Threshold: Not determined
pH: 5-7	Specific Gravity: 1.0



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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: >90%
Viscosity: Not determined	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	VOC Content: Not available
Flash Point: > 220°F (>104°C)	Autoignition Temp: Not determined
Decomposition Temperature: Not available	Flammability Limits: LEL: Not applicable UEL: Not applicable
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: None known.

Conditions To Avoid: None known.

Incompatible Materials: Strong acids, bases, oxidizers, and other incompatible materials.

Hazardous Decomposition Products: Oxides of carbon

11. Toxicological Information

Acute Hazards:

Inhalation: Mist and vapors may cause irritation to the eyes, mucous membranes and upper respiratory tract.

Skin Contact: Causes irritation.

Eye Contact: Causes severe eye irritation. Eye damage is possible.

Ingestion: Causes gastrointestinal upset and irritation.

Chronic Effects: Diethylene glycol monobutyl ether has caused adverse effects on the blood, liver and kidneys in laboratory animal studies. Ethylene glycol monoethyl ether: similar materials in laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

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

Acute Toxicity Values:

Product ATE: LD50 Oral >2000 mg/kg
LD50 Skin >2000 mg/kg

Diethylene glycol monobutyl ether: LD50 Oral Rat: 5,660 mg/kg
LD50 Skin Rabbit: 2,700 mg/kg

Alcohols, ethoxylated: LD50 Oral Rat: 2000 to 5000 mg/kg
LD50 Dermal Rabbit: >2000 mg/kg



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Ethylene glycol monohexyl ether: LD50 Oral Rat: 738 mg/kg
LD50 Skin Rabbit: 757 mg/kg
LC0 Inhalation Rat > 0.787 mg/l / 6 hr.
(Maximum attainable concentration. No deaths.)

12. Ecological Information

Ecotoxicity:

Diethylene glycol monobutyl ether: LC50 Lepomis macrochirus (Bluegill sunfish) 1300 mg/L/96 hr.
Sodium Metasilicate: LC50 Brachydanio rerio 210 mg/L/96 hr.
Ethylene glycol monohexyl ether: LC50 Pimephales promelas (fathead minnow) 140 mg/L/96 hr.
EC50 Daphnia magna (Water flea) 145 mg/L/48 hr.

Persistence and Degradability:

Diethylene glycol monobutyl ether: Readily biodegradable
Alcohols, ethoxylated: 60% in 28 days.
Ethylene glycol monohexyl ether: Readily biodegradable.

Bio accumulative Potential:

Diethylene glycol monobutyl ether: The potential for bioconcentration in aquatic organisms is low
Ethylene glycol monohexyl ether: The potential for bioconcentration in aquatic organisms is low

Mobility in Soil:

Diethylene glycol monobutyl ether: Is expected to have very high mobility in soil
Ethylene glycol monohexyl ether: Is expected to have very high mobility in soil

Other Adverse Effects: No data available

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations.

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.



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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):

Diethylene glycol monobutyl ether (glycol ether compound)
Ethylene glycol monohexyl ether (glycol ether compound)

Canada:

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List.

16. Other Information

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

DATE OF CURRENT REVISION: 11/04/2016

REVISION SUMMARY: New SDS

DATE OF PREVIOUS REVISION: N/A

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