



# 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 ® Multi-Purpose Auto Cleaner Spray

**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:** 05/29/2015

**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!**

Contains Monoethanolamine and Alkyl dimethyl benzyl ammonium chloride (C12-16).

#### Statements of Hazard

Causes serious eye damage.  
Causes skin irritation.

#### Prevention

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

**Hazards not otherwise specified:** None

**Percentage of unknown toxicity:** N/A

### 3. Composition/Information On Ingredients

Component	CAS No.	Amount
Monoethanolamine	141-43-5	<1%
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	<1%

**The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.**

### 4. First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.

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

**Eye Contact:** If contact occurs, 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:** Eye contact severe eye irritation with possible damage. Causes skin irritation. May cause mild respiratory 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. Burning may release nitrogen oxides, and 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.



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### 6: Accidental Release Measures

**Personal Precautions, Protective Equipment, and Emergency Procedures:** 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.

**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:** Avoid contact with eyes. Avoid contact with skin and clothing. Avoid breathing vapors or mists. Use only with appropriate protective equipment. Launder contaminated clothing before re-use.

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 acids and other incompatible materials. Keep out of the reach of children.

### 8. Exposure Controls / Personal Protection

#### **Exposure Guidelines:**

CHEMICAL	EXPOSURE LIMIT
Monoethanolamine	3 ppm TWA, 6 ppm STEL ACGIH TLV 3 ppm TWA OSHA PEL
Alkyl dimethyl benzyl ammonium chloride (C12-16)	None Established

**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. A full face piece respirator provides both eye and respiratory 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:** Safety glasses or goggles are recommended if eye contact is possible.

**Other Protective Equipment/Clothing:** Use protective clothing if skin contact is likely.



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### 9. Physical and Chemical Properties

**Appearance And Odor:** Clear, colorless liquid with a pleasant odor.

<b>Physical State:</b> Clear liquid.	<b>Odor Threshold:</b> Not available
<b>pH:</b> 10.9 – 11.9	<b>Specific Gravity:</b> ~ 1.0
<b>Initial Boiling Point/Range:</b> Not determined	<b>Vapor Pressure:</b> Same as water
<b>Melting/Freezing Point:</b> Not determined	<b>Vapor Density:</b> Same as water
<b>Solubility In Water:</b> Complete	<b>Percent Volatile:</b> >98%
<b>Viscosity:</b> Not determined	<b>Evaporation Rate:</b> Not determined
<b>Relative Density:</b> Not determined	<b>VOC Content:</b> Not available
<b>Coefficient Of Water/Oil Distribution:</b> Not determined	<b>Autoignition Temp:</b> Not determined
<b>Flash Point:</b> >200°F (93.3°C)	<b>Flammability Limits:</b> LEL: Not applicable UEL: Not applicable
<b>Decomposition Temperature:</b> Not available	<b>Flammability (solid, gas):</b> Not applicable

### 10. Stability and Reactivity

**Reactivity:** Not normally reactive

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** Will react with acids and strong oxidizing agents.

**Conditions To Avoid:** None known.

**Incompatible Materials:** Acids and strong oxidizing agents.

**Hazardous Decomposition Products:** May release nitrogen oxides, and oxides of carbon.

### 11. Toxicological Information

#### Acute Hazards:

**Inhalation:** May cause mild irritation to mucous membranes and upper respiratory tract.

**Skin Contact:** Causes skin irritation. Non-corrosive based on test data.

**Eye Contact:** Causes severe eye irritation, and burns. May cause eye damage.

**Ingestion:** 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.

#### Acute Toxicity Values:

Calculated ATE for Product:     ATE Oral: >5,000 mg/kg  
  ATE Skin: >5,000 mg/kg

Monoethanolamine:            LD50 Oral Rat: 1,515 mg/kg  
  LD50 Skin Rabbit: 2,504 mg/kg  
  LC50 Inhalation Rat: >1.3 mg/L/6 hr.



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Alkyl dimethyl benzyl ammonium chloride  
(C12-16): LD50 Oral Rat: 426 mg/kg

### 12. Ecological Information

#### **Ecotoxicity:**

Monoethanolamine:

LC50 Danio rerio (zebra fish) 3,682 mg/L/96 hr.  
EC50 Daphnia magna (Water flea, neonate) 65 mg /L/24 hr.

#### **Persistence and Degradability:**

Monoethanolamine: Readily biodegradable

#### **Bio accumulative Potential:**

Monoethanolamine: Not expected to exhibit a significant bioaccumulation potential.

**Mobility in Soil:** No data available

**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. 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



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### Canada:

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

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: 3	Fire: 0	Instability: 0
HMIS Rating:	Health: 3	Fire: 0	Physical Hazard: 0

#### REVISION SUMMARY:

05/29/2015: Updated corrosive test data. Changes to Sections 2, 4, 6, 7, 8, 11, & 15.

02/03/2015: Update to OSHA HazCom 2012 GHS format. Changes to all sections.

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