



## ® 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® Extreme Tire Shine Aerosol

**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:** 09/22/2014

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

### 2. Hazards Identification

#### EMERGENCY OVERVIEW CAUTION!

Extremely flammable aerosol. Contents under pressure. Combustible Liquid and Vapor. Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. May cause eye, or skin irritation. Avoid eye contact. Use only with adequate ventilation. High concentrations can cause central nervous system effects such as headache, dizziness and nausea.. Keep away from heat, sparks and all other sources of ignition.

### 3. Composition/Information On Ingredients

Component	CAS No.	Amount
Hydrotreated light petroleum distillates	64742-47-8	60-70%
Propane (propellant)	74-98-6	5-10%
1,1 Difluoroethane (propellant)	75-37-6	< 5%
Non-Hazardous Ingredients	Mixture	Balance

### 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 for 15 minutes. After 5 minutes, remove contact lenses, if present and easy to do so, then continue flushing. If irritation or other symptoms persist, seek medical attention.

**Ingestion:** Ingestion is unlikely with aerosols. If it occurs: DO NOT induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into the lungs. 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.



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### 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 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 extreme heat and flames can cause them to rupture often with violent force. Extremely flammable liquid and vapor. A vapor and air mixture can create an explosion hazard in confined spaces. Vapors are heavier than air and can travel along surfaces to remote ignition sources and flash back.

**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. Use non-sparking tools and equipment.

### 7. Handling and Storage

Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only 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
Hydrotreated light petroleum distillates	100 ppm TWA (manufacturer recommended)
Propane	1000 ppm TWA OSHA PEL
	1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
1,1 Difluoroethane	1000 ppm TWA AIHA WEEL
Non-Hazardous Ingredients	None Established

**Ventilation:** General ventilation should be adequate for normal use. For operations where the TLV may be



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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.

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

## 9. Physical and Chemical Properties

**Appearance And Odor:** Clear, colorless, slightly viscous liquid with solvent odor. Packaged as an aerosol.

<b>pH:</b> Not determined	<b>Specific Gravity:</b> Not determined
<b>Boiling Point:</b> Not determined	<b>Vapor Pressure:</b> Not determined
<b>Freezing Point:</b> Not determined	<b>Vapor Density:</b> Not determined
<b>Solubility In Water:</b> Not soluble	<b>Percent Volatile:</b> Not determined
<b>Viscosity:</b> Not determined	<b>Evaporation Rate:</b> Not determined
<b>Coefficient Of Water/Oil Distribution:</b> Not determined	<b>Autoignition Temp:</b> 448°F (231 °C) (Hydrotreated light petroleum distillates)
<b>Flash Point:</b> ~ 170.0°F (~76.7°C)	<b>Density:</b> 0.8 g/cm <sup>3</sup> @ 70°F
<b>Flammability Limits:</b> LEL: 0.6% (Hydrotreated light petroleum distillates)	UEL: 18.0% (1,1 Difluoroethane)

## 10. Stability and Reactivity

**Stability:** Stable

**Conditions To Avoid:** Keep away from excessive heat, sparks and open flames. Containers may rupture at temperatures > 130°F (54°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 or vapor can irritate the throat and lungs. High concentrations may cause central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

**Skin Contact:** May cause mild skin irritation with redness, itching and burning of the skin. Prolonged and/or repeated contact may produce defatting and possible dermatitis.



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

**Ingestion:** Ingestion is unlikely for an aerosol products. This product has low oral toxicity. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing large amounts may be harmful. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

**Chronic Hazards:** Overexposure to similar solvents have been suggested as a cause of the following effects in laboratory animals: Kidney effects; and effects on hearing, and central nervous system damage.

**Medical Conditions Aggravated By Exposure:** May aggravate an existing dermatitis, lung conditions, and individuals susceptible to arrhythmias.

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

### **Acute Toxicity Values:**

Propane: LC50 Rat inhalation >800,000 ppm

Hydrotreated light petroleum distillates: LD50 Rat oral > 5000 mg/kg; LC50 Rabbit skin 2,000-4,000 mg/kg;  
LC50 Rat inhalation > 6.8 mg/l/4 hr

1,1 Difluoroethane: LC50 Mouse inhalation 977,000 mg/m<sup>3</sup>/ 2 hr

## 12. Ecological Information

No ecotoxicity data is currently 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:**



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**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, however oil spills are reportable to the national response center. 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 (Toxic material causing other toxic effects)

**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: 2	Fire: 4	Instability: 0
HMIS Rating:	Health: 2	Fire: 4	Reactivity: 0

REVISION SUMMARY: 09/22/2014 – Three year review.

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