



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® Furious Wet 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: 06/22/12

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

2. Hazards Identification

EMERGENCY OVERVIEW DANGER!

Extremely flammable aerosol. Contents under pressure. Extremely Flammable Liquid and Vapor. Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. May cause eye, skin and respiratory tract irritation. Avoid eye contact. Use only with adequate ventilation. Vapors can cause central nervous system depression. Keep away from heat, sparks and all other sources of ignition.

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Heptane Fluid	142-82-5	45 - 60%
Liquefied Petroleum Gas (propane, isobutane)	74-98-6 / 75-28-5	25 - 35%
Silicone Fluid	Proprietary	20-25%

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: 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.

5. Firefighting Measures



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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.

Static Discharge; material can accumulate static charges which can cause an incendiary electrical discharge.

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
Heptane Fluid	500 ppm TWA OSHA PEL 400 ppm TWA ACGIH TLV 500 ppm TWA ACGIH TLV STEL
Propane	1000 ppm TWA OSHA PEL 1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
Isobutane	1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
Silicone Fluid	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.

pH: Not determined	Specific Gravity: 0.72
Boiling Point: Not determined	Vapor Pressure: Not determined
Freezing Point: Not determined	Vapor Density: Not determined
Solubility In Water: Not soluble	Percent Volatile: Not determined
Viscosity: 19 -32 Cp	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	Viscosity: Not available
Flash Point: 18°F (7.8°C) (TCC ASTM D 56)	Autoignition Temp: Not determined
Flammability Limits: LEL: 1.05% (Heptane)	UEL: 9.5% (Liquefied Petroleum Gas)

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 nasal and respiratory irritation and 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.

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



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Ingestion: 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 heptane has 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
Isobutane	LC50 Rat inhalation 658 mg/l/4 hr
Heptane	LC50 Rat inhalation 103 g/m ³ /4 hr

12. Ecological Information

Heptane: LC50 Goldfish 4mg/L/24 hr; LC50 Water flea >10 mg/L/24 hr

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:

UN 1950, Aerosols, flammable, (each not exceeding 1L capacity), Class 2.1, Ltd Qty

IMDG Dangerous Goods Description:

UN 1950, Aerosols flammable, Class 2.1, Ltd Qty

IATA International Air Transport Association:

UN 1950, Aerosols flammable, Class 2.1, Ltd Qty

Canadian TDG Hazardous Materials Description:

UN 1950, Aerosols flammable, Class 2.1, Ltd Qty

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, 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



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local regulations.

SARA Hazard Category (311/312): Acute Health, Chronic 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: 06/22/12: Change to section 14

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