



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® Quicksilver 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)

SDS Date of Preparation: 11/02/16

Product Use and Uses Advised Against: Automotive maintenance product – Consumer product

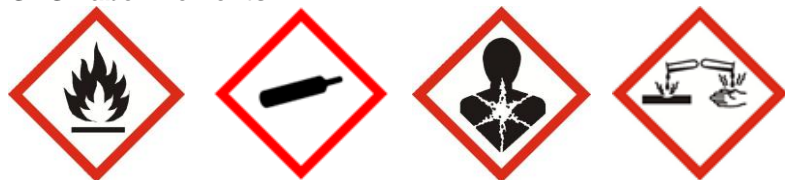
2. Hazards Identification

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:
Flammable Aerosol Category 1 Gases Under Pressure: Compressed Gas	Eye Damage Category 1 Skin Corrosion Category 1 Carcinogen Category 2

GHS Label Elements:



Danger!

Statements of Hazard

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes severe skin burns and eye damage.
Suspected of causing cancer

Precautionary Phrases

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames, and hot surfaces. -
No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Do not breathe mist, vapors, or spray.
Wash exposed skin thoroughly after handling.



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Precautionary Phrases Continued Prevention Continued

Wear protective gloves, protective clothing, eye protection, and face protection.

Storage

Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal

Dispose of contents and container in accordance with local and national regulations.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
IF ON SKIN: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.
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 exposed or concerned: Get medical advice

3. Composition/Information on Ingredients

Component	CAS No.	Amount
1,1-difluoroethane (Propellant)	75-37-6	5-10%
Tetrasodium Ethylenediamine Tetraacetate	64-02-8	5-10%
Propylene glycol n-butyl ether	5131-66-8	1-5%
Amines, coco alkyl dimethyl, N-oxides	61788-90-7	<2%
Nitrilotriacetate, trisodium salt (NTA)	5064-31-3	<1%

The exact concentrations are a trade secret.

4. First Aid Measures

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

Skin Contact: Rinse skin with plenty of water for 15 minutes. Seek immediate 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: Not an expected route of exposure for an aerosol. However, if ingested, 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. Seek immediate medical attention.

Most Important Symptoms: Eye contact causes severe eye irritation with possible damage. Causes severe skin irritation and possible burns. May cause respiratory irritation. Swallowing may cause severe gastrointestinal irritation, and possible burns to mouth and throat. Inhalation of high concentrations of difluoroethane may cause anesthetic effects and a feeling of euphoria. Prolonged overexposure may cause rapid breathing. Headache, dizziness and narcosis. Suspected of causing cancer.

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



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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: Extremely flammable aerosol. Contents under pressure. Closed containers may rupture if exposed to extreme heat. Burning may release ammonia, 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. Cool fire-exposed containers with water. Use shielding to protect against bursting cans.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Eliminate all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing and equipment as described in section 8.

Methods and Materials for Containment and Clean-Up: Place leaking can in a well-ventilated area until propellant has dissipated, if safe to do so. Collect liquid using non-combustible absorbents and place into a suitable container for disposal.

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

7. Handling and Storage

Precautions for Safe Handling: Keep away from heat, sparks, flames, pilot lights, electric motors and all other sources of ignition. Do not spray on hot surfaces. Do not smoke while using. Keep can away from sources of electricity. Use only outdoors or in a well-ventilated area. Avoid breathing spray. Prevent contact with eyes and skin. Wash with soap and water after use. Keep out of the reach of children. Contents under pressure, do not puncture or incinerate containers.

Conditions for Safe Storage, Including any Incompatibilities: 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 1 Aerosol.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
1,1-difluoroethane (Propellant)	1000 ppm AIHA WEEL
Tetrasodium Ethylenediamine Tetraacetate	None Established
Propylene glycol n-butyl ether	50 ppm TWA (manufacturer recommended)
Amines, coco alkyldimethyl, N-oxides	None Established
Nitrilotracetate, trisodium salt (NTA)	None Established

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



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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: Prevent eye contact. Always spray away from face. Wear safety glasses or goggles if eye contact is possible.

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

9. Physical and Chemical Properties

Appearance and Odor: Clear to slightly hazy, colorless liquid with a slight metallic odor in an aerosol can.

Physical State: Liquid-based aerosol	Odor Threshold: Not available
pH: 12.6	Relative Density: Not determined
Initial Boiling Point/Range: Not determined	Vapor Pressure: Not determined
Melting/Freezing Point: Not determined	Vapor Density: Not determined
Solubility In Water: Not determined	Percent Volatile: >85
Viscosity: 425cP	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	VOC Content: Not determined
Flash Point: < -58°F (-50°C) (1,1-difluoroethane)	Autoignition Temp: Not determined
Flammability Limits: LEL: 3.9%(1,1-difluoroethane) UEL: 16.9% (1,1-difluoroethane)	Flame extension: Not determined
Decomposition Temperature: Not available	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: Will react with acids and strong oxidizing agents.

Conditions to Avoid: Keep away from excessive heat, sparks and open flames. Avoid direct sunlight. Do not puncture container. Containers may rupture at temperatures > 120°F (48.8°C)

Incompatible Materials: Acids and strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition may release ammonia, nitrogen oxides, and oxides of carbon.

11. Toxicological Information

Potential Health Effects:

Acute Hazards:



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Inhalation: Mist and vapors may cause irritation to the eyes, mucous membranes and upper respiratory tract. High concentrations of difluoroethane may cause anesthetic effects and a feeling of euphoria. Prolonged overexposure may cause rapid breathing. Headache, dizziness and narcosis.

Skin Contact: Causes severe skin irritation with possible burns.

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

Ingestion: Swallowing may cause severe gastrointestinal irritation, and possible burns to mouth and throat.

Chronic Effects: None expected.

Carcinogenicity Listing: Nitrilotracetate, trisodium salt (NTA) is listed by IARC as 2B: Possibly carcinogenic to humans. None of the other components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Calculated ATE for Product: ATE Oral: >2000 mg/kg
 ATE Skin: >2000 mg/kg

1,1-difluoroethane: LC50 Inhalation Rat: > 437500 ppm / 4 hr.

Tetrasodium Ethylenediamine Tetraacetate:
 LD50 Oral Rat: 1780 - < 2000 mg/kg
 LC50 Inhalation Rat: 1000 mg/m³/6 hr.

Propylene glycol n-butyl ether: LD50 Oral Rat: 3,300 mg/kg
 LD50 Skin Rat: >2,000 mg/kg

Amines, coco alkyldimethyl, N-oxides:
 LD50 Oral Rat: >2000 mg/kg

Nitrilotracetate, trisodium salt (NTA):
 LD50 Oral Rat: 1740 mg/kg
 LD50 Skin Rabbit: >2000 mg/kg
 LC50 Inhalation Rat: >5 mg/L/4 hr.

12. Ecological Information

Ecotoxicity: Harmful to aquatic life.

Tetrasodium Ethylenediamine Tetraacetate:
 LC50 Lepomis macrochirus 121 mg/L/96 hr.
 EC50 Daphnia magna (Water flea, neonate) 625 mg /L/24 hr.
 EC50 Scenedesmus subspicatus 2.77 mg/L/72 hr.

Propylene glycol n-butyl ether: LC50 Guppy: 560-1000 mg/L/ 96 hr.
 LC50 Daphnia: >1000 mg/L/ 48 hr.

Amines, coco alkyldimethyl, N-oxides:
 LC50 Danio rerio (zebra fish) 10.0-100.0 mg/L/96 hr.
 EC50 Daphnia magna (Water flea, neonate) 4.4 mg /L/48 hr.
 EC50 Pseudokirchneriella subcapitata (green algae) 0.11 mg/L/96 hr.

Nitrilotracetate, trisodium salt (NTA):



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LC50 Pimephales promelas fathead minnow 114 mg/L/96 hr.
EC50 Daphnia magna (Water flea, neonate) 560-1000 mg /L/48 hr.

Persistence and Degradability:

Tetrasodium Ethylenediamine Tetraacetate: 10% in 28 days.
Propylene glycol n-butyl ether: Readily biodegradable.
Amines, coco alkyldimethyl, N-oxides: 80% in 28 days.
Nitrilotracetate, trisodium salt (NTA): Readily biodegradable

Bio accumulative Potential:

Tetrasodium Ethylenediamine Tetraacetate: BCF 1.8
Amines, coco alkyldimethyl, N-oxides: No data available
Nitrilotracetate, trisodium salt (NTA): BFC 3

Mobility in Soil:

Tetrasodium Ethylenediamine Tetraacetate: No data available
Amines, coco alkyldimethyl, N-oxides: No data available
Nitrilotracetate, trisodium salt (NTA): No data available

Other Adverse Effects: No data available

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Do not incinerate or place container into trash compactor.

14. Transport Information

DOT Hazardous Materials Description: UN1950, Aerosols, Class 2.1, LTD QTY

IMDG Dangerous Goods Description: UN1950, Aerosols, Class 2.1, LTD QTY

Canadian TDG Hazardous Materials Description: UN1950, Aerosols, 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. Many states have more stringent release reporting requirements. Report spills required under federal, state and 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:



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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: 4	Instability: 0
HMIS Rating:	Health: 3*	Fire: 2	Physical Hazard: 0

*Chronic hazard.

DATE OF CURRENT REVISION: 11/02/2016

REVISION SUMMARY: Formulation change. Changes to Sections 3, 8, 11, & 12.

DATE OF PREVIOUS REVISION: 05/17/2016

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