



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 Wheel and Tire Cleaner

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: 09/23/14

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	Skin Corrosion Category 1 Eye Corrosion Category 1 Carcinogen Category 2

GHS Label Elements:



DANGER!

Contains Tetrasodium Ethylenediamine Tetraacetate; Amines, coco alkyldimethyl, N-oxides; and Sodium hydroxide

Statements of Hazard

Causes severe skin burns and eye damage
Suspected of causing cancer

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe mist, vapors, or spray.
Wear protective gloves, protective clothing, eye protection, and face protection.
IF exposed or concerned: Get medical advice.



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IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Tetrasodium Ethylenediamine Tetraacetate	64-02-8	5-16%
Amines, coco alkyldimethyl, N-oxides	61788-90-7	<6%
Sodium hydroxide	1310-73-2	<2%
Nitritotracetate, trisodium salt (NTA)	5064-31-3	<1%

The exact concentrations are a trade secret.

4. First Aid Measures

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

Skin Contact: If contact occurs, remove contaminated clothing. Immediately wash skin thoroughly with soap and water for at least 15 minutes. Get immediate medical attention. Launder clothing before re-use. Discard contaminated shoes.

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. 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: Corrosive. May cause eye and skin burns with the possibility of corneal damage. Inhalation of mists may cause respiratory irritation. Suspected of causing cancer.

Indication of Immediate Medical Attention/Special Treatment: Seek immediate medical attention for eye and skin contact. Ingestion will require immediate medical attention.

5. Firefighting Measures

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



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Specific Hazards Arising From the Chemical: 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.

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.

Methods and Materials for Containment / Cleanup: Absorb with an inert material. Collect into a suitable container for disposal. Rinse area with water. Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations.

7. Handling and Storage

Precautions for Safe Handling: Prevent eye and 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 acids and other incompatible materials. May be corrosive to aluminum. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Tetrasodium Ethylenediamine Tetraacetate	None Established
Amines, coco alkyldimethyl, N-oxides	None Established
Sodium hydroxide	2 mg/m ³ ACGIH Ceiling TLV 2 mg/m ³ TWA OSHA PEL
Nitritotracetate, trisodium salt (NTA)	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.



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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: None required under normal use conditions.

9. Physical and Chemical Properties

Appearance And Odor: Liquid with a slight odor.

Physical State: Liquid	Odor Threshold: Not available
pH: 12-13	Specific Gravity: 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: >80%
Viscosity: 463 – 475 cps # 2 at 30 RPM	Evaporation Rate: Not determined
Relative Density: Not determined	VOC Content: Not available
Coefficient Of Water/Oil Distribution: Not determined	Autoignition Temp: Not Determined
Flash Point: Not determined	Flammability Limits: LEL: Not applicable UEL: Not applicable
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. Contact with metals such as zinc or aluminum may produce flammable hydrogen gas.

Conditions To Avoid: None known.

Incompatible Materials: Acids and strong oxidizing agents. May be corrosive to aluminum.

Hazardous Decomposition Products: May release ammonia, nitrogen oxides, and 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 severe irritation and burns.

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

Ingestion: May be harmful if swallowed. Causes mouth, throat, and gastrointestinal irritation and burns.

Chronic Effects: Effects on the Urinary tract and kidneys have been reported in laboratory animal studies.



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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

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

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

Sodium hydroxide: LD50 Oral Rat: 140-340 mg/kg
 LD50 Skin Rabbit: 1350 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:

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.

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.

Sodium hydroxide: No data available

Nitrilotracetate, trisodium salt (NTA):
 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.
Amines, coco alkyldimethyl, N-oxides: 80% in 28 days.
Sodium hydroxide: Readily breaks down in presences of acids.
Nitrilotracetate, trisodium salt (NTA): Readily biodegradable

Bio accumulative Potential:

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



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Mobility in Soil:

Tetrasodium Ethylenediamine Tetraacetate: No data available
Amines, coco alkylidimethyl, N-oxides: : No data available
Sodium hydroxide: Readily breaks down in presences of acids.
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.

14. Transport Information

DOT Hazardous Materials Description:

Proper Shipping Name: Corrosive liquid, Basic, Organic n.o.s. (Tetrasodium Ethylenediamine Tetraacetate, Sodium Hydroxide)
UN Number: UN3267
Hazard Class/Packing Group: 8, III
Labels Required: Corrosive
Note: Inner packages of 5 liters or less in a package less than 30 kg can be shipped as a Limited Quantity.

Canadian TDG Hazardous Materials Description:

Proper Shipping Name: Corrosive liquid, Basic, Organic n.o.s. (Tetrasodium Ethylenediamine Tetraacetate, Sodium Hydroxide)
UN Number: UN3267
Hazard Class/Packing Group: 8, III
Labels Required: Corrosive
Note: Inner packages of 5 liters or less in a package less than 30 kg can be shipped as a Limited Quantity.

IMDG Dangerous Goods Description:

Proper Shipping Name: Corrosive liquid, Basic, Organic n.o.s. (Tetrasodium Ethylenediamine Tetraacetate, Sodium Hydroxide)
UN Number: UN3267
Hazard Class/Packing Group: 8, III
Labels Required: Corrosive
Note: Inner packages of 5 liters or less in a package less than 30 kg can be shipped as a Limited Quantity.

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

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 WHMIS Classification: Class D - Division 2 - Subdivision A - (Very toxic material causing other toxic effects); Class E – (Corrosive material)

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: 1	Instability: 0
HMIS Rating:	Health: 3*	Fire: 1	Physical Hazard: 0

REVISION SUMMARY: 9/23/2014: Change to Section 3.

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