



ARMOR ALL PROFESSIONAL  
Acuity Specialty Products Group, Inc.  
P.O. BOX 2015  
ATLANTA, GA 30301  
1 (866) 276-6725

# Material Safety Data Sheet

## and Safe Handling and Disposal Information

### Section 1. Chemical Product and Company Identification

**Product name**           **FIRST STEP PRESOAK (AA-2405)**  
**Product Use**            Vehicle Wash - Presoak  
**Product Code**         **M297**  
**Date of issue**         **07/08/05**           **Supersedes**

**Emergency Telephone Numbers** For MSDS Information:  
 Armor All Customer Service  
 1 (866) 276-6725

**For Medical Emergency:**  
 INFOTRAC  
 (877) 541-2016 Toll Free - All Calls Recorded

**For a Transportation Emergency:**  
 CHEMTREC  
 (800) 424-9300 - All Calls Recorded  
 In the District of Columbia (202) 483-7616

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### Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
PHOSPHORIC ACID	7664-38-2	15 - 25	ACGIH / OSHA (United States). TWA: 1 mg/m <sup>3</sup> 8 hour(s). ACGIH TLV (United States). STEL: 3 mg/m <sup>3</sup> 15 minute(s).
SULFURIC ACID; oil of vitriol	7664-93-9	5 - 15	OSHA PEL (United States). TWA: 1 mg/m <sup>3</sup> 8 hour(s). Form: Mist ACGIH TLV (United States). TWA: 0.2 mg/m <sup>3</sup> 8 hour(s).
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	5 - 15	ACGIH TLV (United States). TWA: 20 ppm 8 hour(s). OSHA PEL (United States). Skin TWA: 50 ppm 8 hour(s).

### Section 3. Hazards Identification

#### Acute Effects

**Routes of Entry** Dermal contact. Eye contact. Inhalation.

**Skin** Hazardous in case of skin contact (corrosive). Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Eyes** Hazardous in case of eye contact (corrosive). Direct contact with the eyes can cause irreversible damage including blindness.

**Inhalation** Hazardous in case of inhalation. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

**Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach.

**NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.**

#### HMIS

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	D, q

#### Carcinogenic Effects

Strong inorganic acid mists containing sulfuric acid: Classified PROVEN, Group 1 (Proven for human) by IARC, Group 1 (Known To Be Human Carcinogen) by NTP

#### Chronic Effects

The substance may be toxic to blood, kidneys, liver, upper respiratory tract, skin, eyes, central nervous system. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

See Toxicological Information (section 11)

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Not available.	<b>Flammable Limits</b>	Not available.
<b>Flammability</b>	Non combustible.		
<b>Fire Hazard</b>	Not applicable.		
<b>Fire-Fighting Procedures</b>	Use DRY chemicals, CO <sub>2</sub> , water spray or foam. Do not release runoff from fire to sewers or waterways.		

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
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**Section 7. Handling and Storage**

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Do not ingest. Wash contaminated clothing before reusing. Do not reuse product container. Apply this product only as specified on the label. Wash thoroughly after handling.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F (4.4°C - 49°C). Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection**

	<b>Personal Protection</b>	<b>Protective Clothing (Pictograms)</b>
<b>Eyes</b>	Chemical splash goggles. Recommended: Face shield.	
<b>Body</b>	Recommended: Rubber gloves. Nitrile gloves. Neoprene gloves. Synthetic apron. Boots, Chemical resistant.	
<b>Respiratory</b>	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Thin liquid	<b>Color</b>	Clear. Colorless.
<b>pH</b>	< 1.0	<b>Odor</b>	Mild.
<b>Boiling Point</b>	Not determined.	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.16 (Water = 1)	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Soluble in cold water, hot water.	<b>Evaporation Rate</b>	1 compared to Water
		<b>VOC (Consumer)</b>	3.0%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive with oxidizing agents, alkalis.
<b>Hazardous Polymerization</b>	Not available.
<b>Hazardous Decomposition Products</b>	carbon oxides (CO, CO <sub>2</sub> ), sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...)

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Phosphoric Acid:</b>
	ORAL (LD50): Acute: 4400 mg/kg [Rat].
	DERMAL (LD50): Acute: >3160 mg/kg [Rabbit].
	<b>Sulfuric Acid:</b>
	ORAL (LD50): Acute: 2140 mg/kg [Rat].
	<b>Ethylene Glycol Monobutyl Ether:</b>
	ORAL (LD50): Acute: 1746 mg/kg [Rat].
	DERMAL (LD50): Acute: 680 mg/kg [Rabbit].
	VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat (Female)].

**Section 12. Ecological Information****Ecotoxicity** Not available.**Biodegradable/OECD** Not available.**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream** Code: D002  
Classification: - (Hazardous waste.)  
Origin: - (RCRA waste.)

Consult your local or regional authorities.

**Section 14. Transport Information****Proper shipping name** Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric Acid, Sulfuric Acid)**DOT Classification** Class 8: Corrosive liquid. **UN number** UN 3264

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

**Section 15. Regulatory Information****U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

Sulfuric Acid

Ethylene Glycol Monobutyl Ether

Clean Water Act (CWA) 311: Phosphoric Acid; Sulfuric Acid

Clean air act (CAA) 112 regulated toxic substances: Ethylene Glycol Monobutyl Ether

All Components of this product are listed or exempt from listing on TSCA inventory.

**State Regulations**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Strong inorganic acid mists containing sulfuric acid

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*