**Product:** Armor All Quicksilver Wheel Cleaner (30 Gallon Drum)

**Description:** Colorless, water-like liquid

**Other Designations**

**Manufacturer:** Armor All Products Company

**Manufacturing Location:** 1221 Broadway

**Emergency Telephone No.:**

**Notifying your supervisor:**

**Rocky Mountain Poison Center:** 1-(800) 446-1014

**For Transportation Emergencies call Chemtrec:** 1-(800) 424-9300

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**II Health Hazard Data**

**DANGER:** TOXIC. HARMFUL OR FATAL IF SWALLOWED. DO NOT INGEST. Do not eat or smoke while using product. Wash hands after use.

**EYE IRRITANT:** Avoid contact with eyes. May irritate skin after prolonged contact.

This product contains fluoride salts which may cause death if ingested in small amounts. Fluoride can cause cardiac arrhythmias and corrosion of the gastrointestinal tract. This product is a moderate eye irritant and can cause skin irritation, but only after prolonged use.

**FIRST AID:** IF SWALLOWED - drink a glassful of milk or water. Do not induce vomiting. Get immediate, emergency medical attention. EYES - flush with water for 15 minutes. Call a physician or poison control center immediately. SKIN - wash with water.

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**III Hazardous Ingredients**

**Ingredient**

- Ammonium fluoride
- Ammonium bifluoride
- Inorganic Arsenic Compounds

**Concentration**

- 30-50%
- 0-10%
- <0.1%

**Worker Exposure**

- Not Established
- Not Established
- 0.01 mg/m³ TLV-TWA as As
- 0.5 mg/m³ OSHA-PEL as As

**TLV-TWA-ACGIH Threshold Limit Value, Time Weighted Average**

**OSHA-PEL-Permissible Exposure Limit**

- The American Conference of Governmental Industrial Hygienists (ACGIH) recommends a Time Weighted Average of 2.5 mg/m³ as F for fluorides.
- OSHA has also established a PEL for fluorides of 2.5 mg/m³ as F for fluorides. Inorganic arsenic compounds are designated as A1 by ACGIH; known human carcinogens. Arsenic compounds are also listed as carcinogens by NTP, OSHA and IARC. Fluorides are designated as A4 by ACGIH; not classifiable as human carcinogens.

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**IV Special Protection and Precautions**

**Hygienic Practices:** 1) All activities shall be conducted in a manner that ensures that product aerosols (mists or vapors) are eliminated. 2) All equipment (personal protective equipment, work tables, containers) and the area used shall be cleaned at the end of the activity. 3) Consumption of food, smoking, or drinking will be permitted in designated areas only. These areas will be free of product or potential product exposures. Employees with potential exposure to the product will wash hands before eating, drinking, using the toilet, using tobacco, applying cosmetics, and at break and lunch times.

**Personal Protective Equipment (PPE) Requirements:** 1) While handling the product, a full face shield (over goggles), protective apron, and gloves shall be worn. Apron and gloves shall be constructed of natural rubber, neoprene, or nitrite rubber. 2) If there is a potential for exposure to an aerosol (dust or vapor) employees shall use a NIOSH approved air purifying respirator rated for acid gases. 3) Following a significant exposure (skin or clothing contact) to the solution employees will wash contaminated areas with soap and water, showering if necessary. Repeated or prolonged use of clothing that has become contaminated with the product shall not be permitted.

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**VI Spill or Leak Procedures**

**Spill Procedures:** Absorb and containerize. Wear protective clothing.

**Waste Disposal:** Dispose of in accordance with all applicable federal, state and local regulations. Product should be disposed of as a hazardous waste.

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**VII Fire and Explosion Data**

**Combustion:** Use water, foam or carbon dioxide. Wear positive-pressure breathing apparatus as toxic emissions are possible in a fire. Dust above 350°C will result in decomposition releasing hydrogen fluoride, ammonia, nitrogen oxides.

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**VIII Physical Data**

**Specific Gravity:**

**Solubility In Water:**

**Flashpoint:** Not Available

**Boiling Point:** 220°F

**pH:** Not Available

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**DATE PREPARED:** 2/98

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