



Armor All Products Company
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JAN 23 2001
Material Safety A
Data Sheet

Product: ARMOR ALL QUICKSILVER WHEEL CLEANER (30 GALLON DRUM)

Description: COLORLESS, WATER-LIKE LIQUID

Other Designations	Manufacturer	Emergency Telephone No.
ATTENTION: Armor All Quicksilver is for use by professional car washes and detailers only and is NOT intended for home use. KEEP OUT OF THE REACH OF CHILDREN. Read label before using.	Armor All Products Company 1221 Broadway Oakland, CA 94612	Notify your Supervisor Rocky Mountain Poison Center: 1-(800) 446-1014 For Transportation Emergencies call: Chemtrec: 1-(800) 424-9300

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.

III Hazardous Ingredients

Ingredient	Concentration	Worker Exposure
Ammonium fluoride CAS# 12125-01-08	30-50%	Not Established ¹
Ammonium bifluoride CAS# 1341-49-7	0-10%	Not Established ¹
Inorganic Arsenic Compounds	<0.1%	0.01 mg/m ³ TLV-TWA as As 0.5 mg/m ³ OSHA-PEL as As

TLV-TWA-ACGIH Threshold Limit Value, Time Weighted Average
 OSHA-PEL-Permissible Exposure Limit
¹The 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.

IV Special Protection and Precautions

Hygienic Practices: 1) All activities shall be conducted in a manner that insures 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. If equipment is not cleaned it shall be disposed of in an appropriate manner. 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 this 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 nitrile 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.

V Transportation and Regulatory Data

DOT Proper Shipping Name: Corrosive liquid toxic, n.o.s. (Ammonium Bifluoride, Ammonium Fluoride Solution, diluted), U.N. 2922, Class 8, PG III, RQ

TSCA Status: All components of this product are on the TSCA Inventory.

EPA - SARA Title III/CERCLA: Product is regulated by SARA Title III Sections 311/312 and 304/CERCLA

Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm.

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.

VII Reactivity Data

Stable under normal use and storage conditions. Contact with strong acids will release hydrogen and may form hydrofluoric acid. Contact with a strong alkali will release ammonia.

VIII Fire and Explosion Data

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

IX Physical Data

Specific Gravity.....CA 1.0 @ 25°C
 Solubility in Water.....100% @ °C
 Flashpoint.....Not Available
 Boiling Point.....220°F
 pH.....5.36

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