

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

KEY CODE 100

SECTION 1 - PRODUCT IDENTIFICATION

Distributor Armor Research Company	Emergency Phone 609-665-7007
Address 100 Twinbridge Drive Pennsauken, NJ 08110	
Trade Name POOLBOY	Product Type Swimming pool cleaner

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO.	PERCENT(optional)	TLV(Source)
Hydrogen Chloride(Muriatic Acid)	7647-01-0		5 ppm (Ceiling)(OSHA); 5 ppm (ACGIH)

Other ingredients in this product are : Less than 1% by weight or less than 0.1% for carcinogens Not hazardous Declared to be Trade Secret

SECTION 3 - PHYSICAL DATA

Boiling point(°F.) Near 212	Specific Gravity(H₂O=1.0) (± 0.005) 1.070	pH (± 0.5) 1.5
Vapor Pressure(mm Hg) Unknown	Vapor Density(Air=1) Unknown	
Solubility in water <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slight (or Partial)		
Evaporation Rate(vs. H₂O) <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same		
Appearance and Odor Liquid, fruity odor.		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point(T.C.C.) <input checked="" type="checkbox"/> None to Boiling	Flammable Limits Upper Unknown Lower Unknown
Extinguishing Media CO ₂ , dry chemical, foam, water spray	
Special Firefighting Procedures Firefighters should not enter confined fire-spaces without protective clothing and self-contained air supply.	
Unusual Fire and Explosion Hazards None known	

SECTION 5 - REACTIVITY DATA

Stability Stable	Incompatibility Strong oxidizers, alkalis, nitrogen compounds
Hazardous Decomposition Products Carbon monoxide, phosgene, chlorine and other unidentified organic compounds may occur during incomplete combustion.	

SECTION 6 - HEALTH HAZARDS

Primary Routes of Exposure <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Other
Signs and Symptoms of Overexposure (Acute) Prolonged or repeated contact of concentrated product with skin and/or eyes can cause chemical burns. If taken internally, concentrated product may cause damage to mouth, throat or stomach. Inhalation of mist or spray may cause irritation to nose, throat or lungs if adequate ventilation is not employed.
Signs and Symptoms of Overexposure(Chronic) None known
Medical Conditions Aggravated by Overexposure Not known
Carcinogen or Suspect Carcinogen Ingredients <input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> NONE

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes Flush immediately with water for at least 15 minutes. Call a physician.
Skin Flush immediately with water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Call a physician.
Ingestion If swallowed do NOT induce vomiting. Give large quantities of water, followed by the whites of two or three eggs. Call a physician.
Inhalation Remove exposed person to fresh air. Treat symptomatically.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection Not needed under normal conditions of use.
Ventilation Requirements <input type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/> Other
Protective Gloves Rubber Eye Protection Safety glasses/goggles Other Protective Clothing May be needed if splashing or spray drift occurs.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken If Released or Spilled Neutralize the spill with soda ash, then flood area with much water. Large spills should be contained and collected for disposal.
Waste Disposal Methods Dispose of in accordance with applicable Federal, State and Local ordinances.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage Do not get in eyes, on skin, on clothing. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form(as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure to the diluted product under conditions of ordinary use.