



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com

MATERIAL SAFETY DATA SHEET

PHENOXYACETYL CHLORIDE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc.	Emergency Number: Chemtrec	800-424-9300
135 Newbury Street		703-527-3887
Framingham, MA 01701	Information Number:	800-238-0001

Date: August 2007

Synonyms: PAC Chloride

CAS #: 701-99-5

DOT Hazard Class: Corrosive UN1760

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Phenoxyacetyl Chloride 100%

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Colorless to brown liquid with strong acrid organic odor.
Corrosive: causes burns. Irritating to eyes and respiratory system. Moisture sensitive.

POTENTIAL HEALTH EFFECTS:

- Skin:** Causes skin irritation, burns.
Eyes: Lachrymator: May cause irritation or burning.
Inhalation: Causes irritation to the respiratory tract.
Ingestion: Harmful if swallowed. Causes burns. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

CARCINOGENICITY: Not Known.

SECTION 4 - FIRST AID MEASURES

Skin: Immediately wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove and wash contaminated clothing promptly.

Eyes: Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart.

Inhalation: Remove to the fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Wash out mouth with water.

On All Of The Above: Consult a physician if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 227 °F (108 °C)

Flammable Limits: Non Combustible

Extinguishing Media: Carbon dioxide. Dry chemical powder. **Do not use water.**

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray to cool fire-exposed containers.

Unusual Fire Explosion Hazard: Water hydrolyzes material liberating acidic gas which in contact with metal surfaces can generate flammable and/or explosive hydrogen gas. Emits toxic fumes under fire conditions.

Auto Ignition Temperature: 227 °F (108 °C)

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Evacuate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

SECTION 7 - HANDLING AND STORAGE

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Use only in a chemical fume hood. Safety shower and eye bath. Do not breathe vapor. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Corrosive. Lachrymator. Keep tightly closed. Moisture sensitive. Store in a cool dry place.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Use only in a chemical fume hood. Do not breathe vapor.

SKIN AND EYE PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin.

WORK, HYGIENIC PRACTICES: As required to protect skin and eyes from vapors and liquid, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 225 °C to 226 °C

Vapor Pressure (MM Hg): Not Known.

Vapor Density (AIR=1): Not Known

Specific Gravity (H₂O=1): 1.235

Percent Volatile by Volume (%): Not Applicable

Melting Point: Not Applicable

Evaporation Rate (Butyl Acetate=1): Not Known

Solubility in Water: Incompatible with water.

pH: Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Moisture sensitive. Store in a cool dry place. Keep tightly closed.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, hydrogen chloride gas, phosgene gas.

KEEP AWAY FROM: Water, alcohol's, oxidizing agents, and strong bases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute effects harmful if swallowed, inhaled, or absorbed through skin. Causes burns. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12 - ECOLOGICAL INFORMATION

Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

The material should be ignited in the presence of sodium carbonate and slaked lime (calcium hydroxide). The substance should be mixed with vermiculite and then with the dry caustics, wrapped in paper and burned in a chemical incinerator equipped with an afterburner and scrubber. Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME:	Corrosive liquids, N.O. S.
TECHNICAL SHIPPING NAME:	Phenoxyacetyl Chloride
D.O.T. HAZARD CLASS & PACKING GROUP:	Class 8, Group II
U.N. NUMBER:	1760
D.O.T. LABEL:	Corrosive liquids, N.O.S., UN 1760, Class 8, Group II
D.O.T. PLACARD:	Corrosive
PRODUCT LABEL:	Corrosive

SECTION 15 - REGULATORY INFORMATION

OSHA STATUS: Not listed

TSCA STATUS: Not Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance Not listed

Section 313 Toxic Chemicals: Not listed

Section 311/312 Hazard Category: Immediate (acute) health hazard.

SECTION 16 - OTHER INFORMATION

Reason for issue: Changed Date

This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemical, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.