1. IDENTIFICATION

Product Name: ACETYLCHOLINE CHLORIDE
Synonyms: Acecoline
Formula and Formula Weight: C7H16NO2Cl  181.66
Integra numbers beginning with: A103.10
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

INTEGRA Chemical Company
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)
1216 6th Ave N
Kent WA  98032
Phone:  253-479-7000

2. HAZARDS IDENTIFICATION

OSHA Classification:
Skin Corrosion/Irritation: 2 Causes skin irritation.
Eye Damage/Irritation: 2A Causes serious eye irritation.
Specific Target Organ Toxicity (single exposure): 3 May cause respiratory irritation.

Precautionary Statements

Prevention:
Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, vapors, spray.
Wash thoroughly after handling.
Wear eye protection, face protection. Wear protective gloves.

Response
If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice, attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice, attention.
Specific treatment (see first aid section on this label)
Take off contaminated clothing and wash it before reuse.

Storage
Store locked up in a well ventilated place. Keep container tightly closed.

Disposal
Dispose of contents, container in accordance with all governmental regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component | Synonyms | CAS # | % Weight
--- | --- | --- | ---
Acetylcholine chloride | | 00060-31-1 | 100

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult administer oxygen. Seek medical attention.

Eye Contact: Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. If irritation persists, seek medical attention.

Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.

Ingestion: Rinse mouth and give victim large quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Additional notes: Symptoms and effects include skin, eye, respiratory irritation.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.

Specific Hazards: Fire conditions may liberate toxic and noxious fumes.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Prevent spread of spill. Wear suitable protective equipment. Sweep or scoop into clean, dry disposal container in a manner that does not generate dusts. Flush spill area with water. Do not let material enter drains.

7. HANDLING AND STORAGE

Incompatible Materials: Incompatible with strong bases and strong oxidizers.
Storage and Handling: Store locked up in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage. Material is hygroscopic. Keep well closed. Store under nitrogen.

Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, vapors, spray. Wash thoroughly after handling.

Wear eye protection, face protection. Wear protective gloves.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:
Acetylcholine chloride None identified

Engineering Controls: Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.
Respiratory Protection: A NIOSH approved respirator with a particulate filter should be worn at all times.
Skin/Eye Protective Equipment: Safety goggles, protective clothing and gloves appropriate for the risk of exposure.
Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers. Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystalline powder
Odor: Not available
Odor Threshold: Not available
pH: Not available
Melting/Freezing Point: 149 - 152 °C
Initial Boiling Point and Boiling Range: Not available
Flash Point: Not available
Evaporation Rate: Not available
Flammability: Not available
Flammable or Explosive Upper: Not available
Limits (% by volume in air) Lower: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Relative Density: Not available
Solubility: Soluble in water
Partition Coefficient: n-octanol/water Not available
Auto-Ignition Temperature: Not available
Decomposition Temperature: Not available
Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: No information available
Stability: Stable
Possibility of Hazardous Reactions: Hazardous polymerization will not occur
Incompatibles: Incompatible with strong bases and strong oxidizers.

11. TOXICOLOGICAL INFORMATION

Effects of Over Exposure:
Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract.
Skin Contact: Contact may cause skin irritation.
Eye Contact: Contact may be irritating to the eyes.
Ingestion: May be harmful if swallowed.
Chronic Effects: No information available
Target Organs: Respiratory system, cardiovascular system, central nervous system, adrenal gland, muscle
Additional Effects: May cause liver irregularities, spastic paralysis
Reproductive Effects: No information available
Carcinogenicity: None identified

Toxicity Data:
Acetylcholine chloride
LD50 (subcutaneous, mouse) 170 mg/kg
LD50 (oral, mouse) 3000 mg/kg
12. ECOLOGICAL INFORMATION

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Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

This product is not a regulated material for domestic ground transportation.

- Environmental hazards: No information available
- Special precautions: No information available
- Bulk transport: No information available

15. REGULATORY INFORMATION

Acetylcholine chloride is listed in the TSCA inventory.

16. OTHER INFORMATION

OSHA SDS #: 25044 rev 101 3/27/2015

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***** END OF SDS *****