

AERCHEM INC.
320 North Walnut
Bloomington, IN 47408

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 9/26/97
Product Name: **CHLORAMPHENICOL**
Common Name: chloromycetin; 2,2-dichloro-N-{2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl}acetamide
Chemical Formula: C₁₁H₁₂C₁₂N₂O₅
CAS No.: 56-75-7

SECTION 2: HAZARDOUS INGREDIENTS:

Very dangerous in case of ingestion. Slightly dangerous to dangerous in case of skin contact (irritant). Not dangerous in case of eye contact (non-irritant). Substance is toxic to blood, kidneys, and liver. Chloramphenicol is known to the state of California to cause cancer.

SECTION 3: PHYSICAL DATA

Appearance and Odor:	solid, colorless to light yellow, odorless, bitter strong taste
Boiling point:(760 mmHg)	decomposes
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	n/a
Solubility in water:(by weight)	very slightly soluble in cold/hot water; soluble in methanol, acetone; partially soluble in diethyl ether
Melting Point:	151°C (303.8°F)
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Flash point:	n/a
Flammability:	combustible
Flammable limit:	n/a
Extinguishing Media:	dry chemicals, CO ₂ ,water spray, or foam; Do not use water jet.
Unusual Fire and Explosion Hazards:	n/a

SECTION 5: REACTIVITY DATA

Stable <input checked="" type="checkbox"/>	Unstable <input type="checkbox"/>
Conditions to Avoid:	n/a
Incompatibilities:	n/a
Hazardous Decomposition or byproducts:	Products are carbon oxides, nitrogen oxides, halogenated compounds
Hazardous Polymerization:	no

SECTION 6: HEALTH HAZARD DATA

Permissible Exposure Limit: TWA: 0.5 mg/m³
Toxicity: acute oral toxicity LD50 mouse: 1500 mg/kg
Route of Entry: ingestion
IARC: classified 2B

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

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Spillage:
Finish
and
Disposal:

Use appropriate tools to put spilled solid in convenient waste disposal container.
cleaning by spreading water on contaminated surface and dispose of according to local
regional authority requirements.
Recycle, if possible. Consult your local or regional authorities.

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SECTION 8: FIRST AID PROCEDURES

Eyes: Remove any contact lenses. Flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.

Skin: Place victim under deluge shower. Remove contaminated clothing. Wash with plenty of water. Gently wash skin with running water and non-abrasive soap. Be careful to clean folds, crevices, creases, and groin. Cold water may be used. Cover irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.

Inhalation: Allow victim to rest in well ventilated area. Seek medical attention.

Ingestion: Remove dentures. Have person drink several glasses of milk or water. Induce vomiting by sticking finger in throat. Lower head so vomit won't reenter mouth and throat. Never give an unconscious person anything to ingest. Seek medical attention.

SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Keep locked up, away from heat and sources of ignition. Keep in a cool, dry, well-ventilated area. Ground all equipment containing material. Do not ingest or breathe dust. Wear respiratory equipment in case of insufficient ventilation. Avoid contact with skin. Do not breathe dust. Evaporate empty container residue under a fume hood. Carcinogenic, teratogenic or mutagenic materials should be stored in separate locked safety storage cabinet or room.

SECTION 10: SPECIAL PROTECTION INFORMATION

Ventilation: Use process enclosure, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Eye Protection: safety glasses

Protective Gloves: yes

Respiratory Protection: dust respirator

Other Protective Gear: lab coat, boots, full suit, and self contained breathing apparatus in case of large spill

SECTION 11: TRANSPORT INFORMATION

DOT classification: not regulated

DOT pictograms: