

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: BRUCINE SULFATE
Common Name: 10,11-dimethoxystrychnine
Chemical Formula: (C₂₃H₂₆N₂O₄)₂ · H₂SO₄ · 7H₂O
CAS No.: 5787-00-8

SECTION 2: HAZARDOUS INGREDIENTS:

Extremely dangerous in case of ingestion, of inhalation. Very dangerous in case of eye contact (irritant). Slightly dangerous to dangerous in case of skin contact (irritant). Very slightly to slightly dangerous in case of skin contact (permeator). Product is an eye irritant. Sever over-exposure can result in death. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact. Inflammation of eye is characterized by redness, watering, and itching. Substance is toxic to lungs, nervous system, mucous membranes. Repeated or prolonged exposure can produce target organ damage and also may produce general deterioration of health by accumulation in one or many human organs.

SECTION 3: PHYSICAL DATA

Appearance and Odor:	solid
Boiling point:(760 mmHg)	n/a
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	n/a
Solubility in water:(by weight)	n/a
Melting Point:	decomposes (180°C or 356°F)
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Flash point:	n/a
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
Flammability	combustible

SECTION 5: REACTIVITY DATA

Stable <u> X </u>	Unstable <u> </u>
Conditions to Avoid:	n/a
Incompatibilities:	n/a
Hazardous Decomposition or byproducts:	Products are carbon oxides, nitrogen oxides, sulfur oxides.
Hazardous Polymerization:	no

SECTION 6: HEALTH HAZARD DATA

Permissible Exposure Limit:	n/a
Toxicity:	acute oral toxicity LD50 rat: 1mg/kg
Route of Entry:	inhalation, ingestion

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

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Spillage: Use appropriate tools to put spilled solid in convenient waste disposal container. For large spill, stop leak if without risk because solid is poisonous. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Call for assistance on disposal

Disposal: Recycle, if possible. Consult your local or regional authorities.

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SECTION 8: FIRST AID PROCEDURES

Eyes: Remove any contact lenses. Do not use eye ointment. Seek medical attention.
Skin: 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 any dentures. Watch for obstruction in mouth and remove, but don't force fingers or hard object between victim's teeth. If victim not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. Warning: It may be dangerous to provide mouth-to-mouth due to the toxicity of the material.

SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sources of ignition, and from strong oxidizing agents. 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 and eyes. Seek medical help if ingested. Highly toxic or infectious 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: Splash goggles
Protective Gloves: impervious
Respiratory Protection: dust respirator (MSHA/NIOSH approved)
Other Protective Gear: lab coat; boots, full suit, and self contained breathing apparatus in case of large spill

SECTION 11: TRANSPORT INFORMATION

DOT classification: UN1544, Alkaloid salt, solid, n.o.s. (brucine sulfate), class 6.1
DOT pictograms: poison 6 sticker