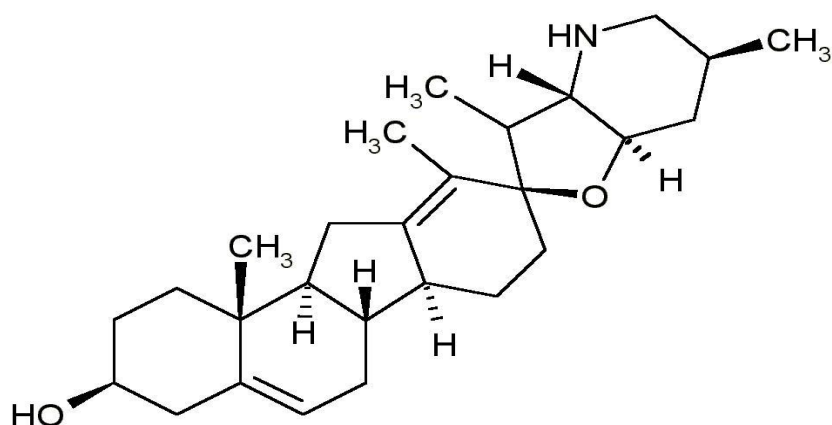


C-8700 Cyclopamine, Free Base



Revision Date: June 6, 2008

1. IDENTIFICATION OF SUBSTANCE:

Trade name: Cyclopamine
Product Number: C-8700

2. COMPOSITION/DATA ON COMPONENTS:

Chemical Name: Cyclopamine
Synonyms: 11-Deoxyjervine
Hazardous Ingredient: Cyclopamine
CAS Registry Number: 4449-51-8
Molecular Weight: 411.62
Molecular Formula: C₂₇H₄₁NO₂

3. HAZARDS IDENTIFICATION:

Hazard Description: RTECS substance category: Reproductive effector, Natural product

Exposure may cause irritation to eyes, mucous membranes, upper respiratory tract and skin

Exposure may also cause the following: effect fertility and/or newborn and breastfed infants

Information pertaining to particular dangers for man and environment:

CAUTION: May cause birth defects based on animal data

HMIS Ratings: Health =1 Flammability =0 Reactivity =0

4. FIRST AID MEASURES:

After Inhalation: If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration

After skin contact: flush with copious amounts of water; remove contaminated clothing and shoes; call a physician

After eye contact: flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician

After swallowing: if swallowed, wash out mouth with copious amounts of water; call a physician

5. FIRE FIGHTING MEASURES:

Suitable extinguishing agents: water spray, carbon dioxide, dry chemical powder or foam

Protective equipment: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire hazard: may emit toxic fumes under fire conditions

6. ACCIDENTAL RELEASE MEASURES:

Person-related safety precautions: cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves

Measures for cleaning/collecting: absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13

7. HANDLING AND STORAGE:

Information for safe handling: avoid contact with skin, eyes and clothing; material may be an irritant

Storage: store solid and solutions at -20 °C

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Personal protective equipment as follows:

Breathing equipment: NIOSH/MSHA-approved respirator

Protection of hands: chemical-resistant rubber gloves

Eye protection: chemical safety goggles

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form: solid

Color: white

Odor:

Melting point/Melting range:

Danger of explosion: none

Solubility in / Miscibility with water: not soluble

Solvent content: none

Organic solvents: soluble in ethanol (to 20 mg/mL by warming), methanol (7 mg/mL), and DMSO (4 mg/mL)

10. STABILITY AND REACTIVITY:

Stability: avoid acids and bases

Thermal decomposition / conditions to be avoided: protect from light and heat

Dangerous products of decomposition: thermal decomposition may produce toxic gases such as carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION:

RTECS #: GY0750000

Acute toxicity: none known

Primary irritant effect:

On the skin: none known

On the eye: not known; may be an irritant

12. ECOLOGICAL INFORMATION:

General notes: no data available

13. DISPOSAL CONSIDERATION:

Dispose of in accordance with prevailing country, federal, state and local regulations

14. TRANSPORT INFORMATION:

DOT:

Proper shipping name: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

IATA class:

Proper shipping name: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

15. REGULATIONS:

Code letter and hazard designation of product:

Hazard-determining components of labeling:

EU Risk And Safety phrases:

S22: Do not breathe dust

S24/25: Avoid contact with skin and eyes

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

R62: Possible risk of impaired fertility

R63: Possible risk of harm to the unborn child

R68: Possible risks of irreversible effects

16. OTHER INFORMATION:

The above information is believed to be correct based on our present knowledge but does not purport to be complete. For research use only by trained personnel. The burden of safe use of this material rests entirely with the user. LC Laboratories disclaims all liability for any damage resulting from use of this material.