

Cepharanthine

Cat#: orb593815 (MSDS)

1. IDENTIFICATION

Product name: Cepharanthine

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

PHYSICAL HAZARDS Not classified

HEALTH HAZARDS

Acute toxicity (Oral) Category 4

ENVIRONMENTAL HAZARDS Not classified

Label elements

Pictograms or hazard symbols



Signal word Warning

Hazard statements Harmful if swallowed

Precautionary statements

[Prevention] Do not eat, drink or smoke when using this product.

Wash hands and face thoroughly after handling.

[Response] IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

[Disposal] Dispose of contents and container in accordance with local, regional, national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance

Components: Cepharanthine

Percent: >90.0%(T)

CAS RN: 481-49-2

Synonyms: O-Methylcepharanoline ,

(15S,31R)-36,54-Dimethoxy-16,32-dimethyl-15,16,17,18,31,32,33,34-octahydro-2,6-dioxa-1(4,5)-

[1,3]dioxolo[4,5-g]isoquinolina-3(7,1)-isoquinolina-5(1,3),7(1,4)-dibenzenacyclooctaphane ,

6',12'-Dimethoxy-2,2'-dimethyl-6,7-[methylenebis(oxy)]oxyacanthan

Chemical Formula: C37H38N2O6

Notice Through Official Gazettes Reference Number

ENCS: Not Listed

4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact: 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.

Ingestion: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Dry chemical, foam, water spray, carbon dioxide.

Specific hazards arising from the chemical:

Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

Precautions for firefighters: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used.

Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

Special protective equipment for firefighters:

When extinguishing fire, be sure to wear personal protective equipment

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions: Prevent product from entering drains.

Methods and materials for containment and cleaning up:

Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

Precautions for safe handling Technical measures: Handling is performed in a well-ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated.

Advice on safe handling: Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Store in a refrigerator.

Store under inert gas.

Protect from moisture.

Store away from incompatible materials such as oxidizing agents.

Light-sensitive, Moisture-sensitive, Heat-sensitive

Packaging material: Comply with laws.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

Control parameters: Not set up

Personal protective equipment

Respiratory protection: Dust respirator. Follow local and national regulations.

Hand protection: Protective gloves.

Eye protection: Safety glasses. A face-shield, if the situation requires.

Skin and body protection: Protective clothing. Protective boots, if the situation requires.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Solid

Colour: White - Green

Odour: No data available

Melting point/freezing point: 152°C

Boiling point/range: No data available

Flammability(solid, gas): No data available

Flash point: No data available

Autoignition temperature: No data available

Flammability or explosive limits:

Lower: No data available

Upper: No data available

pH: No data available

Kinematic viscosity: No data available

Solubility(ies):

[Water] No data available

[Other solvents] No data available

Log Pow: No data available

Relative density: No data available

Vapour density: No data available

Particle characteristics: No data available

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable under proper conditions.

Possibility of hazardous reactions:

No special reactivity has been reported.

Conditions to avoid: No data available

Incompatible materials: Oxidizing agents

Hazardous decomposition products:

Carbon monoxide, Carbon dioxide, Nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: orl-rat LD50:2000 mg/kg

scu-rat LD50:100 mg/kg

ivn-rat LD50:57 mg/kg

ipr-rat LD50:>155 mg/kg

Skin corrosion/irritation: No data available

Serious eye damage/irritation:

No data available

Germ cell mutagenicity: No data available

Carcinogenicity:

IARC = No data available

NTP = No data available

Reproductive toxicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: No data available

RTECS Number: FK0527000

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Fish: No data available

Crustacea: No data available

Algae: No data available

Persistence / degradability: No data available

Bioaccumulative potential(BCF):

No data available

Mobility in soil

Log Pow: No data available

Soil adsorption (Koc): No data available

Henry's Law (PaM 3/mol): No data available

Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

UN-No: Not listed

Hazards Class: Does not correspond to the classification standard of the United Nations

Specific precautionary transport measures and conditions:

15. JAPANESE REGULATORY INFORMATION

- Not applicable