1. CHEMICAL IDENTITY

Chemical Name: Cycloheximide

Chemical Classification: Toxic

Synonyms: 4-(2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl), 2,6-Piperidinedione, Actidione, Actispray, Neocycloheximide, Gultarimide

Formula: C15H23NO4

Regulated Identification

Shipping Name: Hazchem Code: 2X

Codes / Label: Class 6.1, Toxic

HAZARDOUS INGREDIENTS C.A.S. No. HAZARDOUS INGREDIENTS C.A.S. No.
1 Cycloheximide 66-81-9 3
2

2. PHYSICAL / CHEMICAL DATA

Boiling Pt. °C: 358

Melting Pt. °C: 119.5-121

Vapour Pressure @ 35°C mmHg: Vapour Density(Air =1):

Solubility in water at 30°C g/100ml: 2.1 g/100ml

Appearance: Colourless crystals.

Odour:

Others: Soluble in chloroform, ether, acetone, common organic solvents.

Specifc Gravity (Water =1):

pH: Not pertinent

3. FIRE / EXPLOSION HAZARD DATA

Flammability: No

TDG Flammability: LEL: Flash Point °C in OC:

UEL: Flash Point °C in CC:

Autoignition Temperature °C:

Explosion sensitivity to impact: Stable

Explosion sensitivity to static Electricity: Stable

Hazardous Combustion Products: Emits toxic fumes of NOx.

Hazardous Polymerization: Will not occur

Combustible Liquid: No

Explosive Material: No

Corrosive Material: No

Flammable Material: No

Oxidiser: No

Others:

Pyrophoric Material: No

Organic Peroxide: No

4. REACTIVITY DATA

Chemical Stability: Stable under normal temperatures and pressures.

Incompatibility with other material: Strong oxidizing agents, strong bases, acid chlorides, acid anhydrides.

Reactivity: Reacts with alkalis. Rapidly inactivated at room temperature by dilute alkali, with formation of a volatile, fragrant ketone. 2,4-
Dihethylcyclohexxinone.

Hazardous Reaction Products: Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

5. HEALTH HAZARD DATA

Routes of entry: Inhalation, Ingestion, Skin and Eyes

Effects of Exposure / Symptoms:

Inhalation: May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. May cause effects similar to those described for ingestion. Ingestion: May be fatal if swallowed. Poison by ingestion. Causes gastrointestinal irritation with nausea, vomiting and diarrhea. Skin: Causes severe skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Eye: Causes eye irritation.

Emergency Treatment:

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Do not use mouth-to-mouth respiration.

Skin: Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

LD50 (oral-rat) mg/kg: 2 mg/kg

6. PREVENTIVE MEASURES

Personal Protective Equipment: Avoid contact with Solid or dust. Provide dust respirator, side covered safety goggles & face shield, rubber hand gloves, body overclothing and shoes.

Handling: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Do not get on skin or in eyes. Do not ingest or inhale.

Storage: Store in a cool, dry place. Store in a tightly closed container.

Precautions:

7. EMERGENCY / FIRST AID MEASURES

FIRE:

Fire Extinguishing Media:

Special Procedure: Keep the containers cool by spraying water if exposed to heat or flame.

Unusual Hazards: Poisonous gases are produced in fire.
breathing, give artificial respiration. If breathing is difficult, give oxygen. Do not use mouth-to-mouth respiration.

**Skin:** Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

**Antidotes / Dosages:**

**SPILLS:** Sweep and collect without making dust. Wash the area with water and soap.

**Waste Disposal Method:** Seal all the waste in vapour tight plastic bags for eventual disposal.

**8. ADDITIONAL INFORMATION / REFERENCES**

Extremely repellant to rats. Relatively heat stable, acid stable, destroyed by boiling in aqueous solution at pH 7 for 1 hour, but shows no loss of activity after 15 mins. of boiling. Workers exposed to this chemical should wash thoroughly the finger nails and also remove the rings, etc. from the fingers.

**9. MANUFACTURERS / SUPPLIERS DATA**

**NAME OF FIRM:**
**MAILING ADDRESS:**
**TELEPHONE / TELEX NOS:**
**TELEGRAPHIC ADDRESS:**
**OTHERS:**
**Contact person**
**in Emergency:**
**Local Bodies involved:**
**Standard Packing:**
**Trem Card Details / Ref:**

**10. DISCLAIMER**

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