

# MATERIAL SAFETY DATA SHEET

## CANTHARIDIN

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**Product/Chemical Name:** CANTHARIDIN (Hexahydro-3a,7a-dimethyl-4,7-epoxyisobenzofuran-1,3-dione)

**Formula:** C<sub>10</sub>H<sub>12</sub>O<sub>4</sub>

**Physical Description:** White solid crystals.

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**Special Hazards:** Extremely poisonous. Minute quantities will produce large skin blisters.

**Unusual Fire/Explosion Hazards:** Cantharidin is volatile and is extremely dangerous to eyes and respiratory tract.

**Reactivity:** Inactivated with mild alkali.

**Hazardous Decomposition Products:** N/A

### Spill or Leak Procedures

**Action:** Wearing all protective equipment, swab up small quantities with a pad moistened with mild alkali. Collect and transfer the swabs to waste disposal. Clean scrupulously with N/10 sodium hydroxide solution.

**Disposal Method:** To be performed in compliance with all current local, state & Federal Regulations. Burn in authorized incinerator.

**Threshold Limit Value:** Minute quantities may have profound effects on skin, eyes, and respiratory tract.

**Overexposure Effects:** Blisters of skin and eyes. Will not appear until several hours after exposure. Inhalation can result in respiratory damage and failure.

### First Aid Procedures

**Skin:** Remove contaminated clothing immediately, protecting your own hands and body. Place victim under a deluge shower. Seek immediate medical attention.

**Eyes:** Check for and remove any contact lenses. Irrigate copiously with water immediately. Do not use an eye ointment. Seek immediate medical attention.

**Ingestion:** Check for and remove any dentures. Do not induce vomiting. Give water or milk to drink unless patient is unconscious. Seek medical attention.

**Inhalation:** Prompt medical attention. Fresh air, complete rest.

**Storage Recommendations:** Store at room temperature. Highly toxic material. Should be stored in a separate locked safety storage cabinet or room.

### Special Protection Information

**THIS MATERIAL MUST BE HANDLED WITH EXTREME CARE.**

### Special Handling Precautions

**Hands and arms:** rubber or plastic gloves and sleeving. **Eyes:** goggles and face mask recommended

**Respiratory:** air hood or dust mask.

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