

MATERIAL SAFETY DATA SHEET

EMERGENCY # FOR NATIONAL RESPONSE CENTER (800) 424-8802

SECTION 1. CHEMICAL IDENTIFICATION

Product Name: **MitoPT Reagent**
Catalog #: 500063, 563, 600084, 684, 600057, and 657
Synonyms: MitoPT stock / MitoPT solution / JC-1
CAS #: 47729-63-5
Chemical Formula: 5,5',6,6'-tetrachloro-1,1',3,3'-tetraethylbenzamid-azolocarboxyanin iodide

SECTION 2. HAZARDS IDENTIFICATION

Irritant to eyes, skin, and respiratory system. Dilute solutions are less irritating.

SECTION 3. CHARACTERISTICS

MitoPT Reagent is an orange-red powder.

Boiling point °f: No data available.
Vapor pressure (mm Hg): No data available.
Vapor density: No data available.
Solubility in water: Very low.
Specific gravity: Not applicable.
% Volatile by volume: Not applicable.
Evaporation rate: No data available.
pH: Not applicable to a powder.

SECTION 4. STORAGE, HANDLING, STABILITY

MitoPT Reagent is stable for 18 months when stored at 2°C - 8°C and protected from light. When reconstituted to 100X, store MitoPT at -20°C for 6 months protected from light. When diluted to 1X, use MitoPT immediately. MitoPT is light sensitive. It will not decompose in a hazardous manner. Hazardous polymerization will not occur.

SECTION 5. SAFETY CONTROL MEASURES

Gloves and standard laboratory protective clothing and eyewear are recommended. Safe laboratory practices should be followed.

SECTION 6. HEALTH HAZARD DATA

May enter the body through inhalation, ingestion, eye, and skin contact.

SECTION 7. FIRST AID MEASURES

Avoid prolonged exposure. Remove contaminated clothing and shoes, and wash before reuse.

Skin: Wash skin thoroughly with soap and water.
Eyes: Flush with water for at least 15 minutes.
Ingestion: If conscious, give large amounts of water. Seek medical attention.
Inhalation: Remove to fresh air. If not breathing, administer CPR. If breathing is difficult, give oxygen.

SECTION 8. FIRE/EXPLOSION HAZARD DATA

MitoPT is not a fire hazard nor an explosion hazard. Use any means suitable for extinguishing surrounding fire. It is not necessary to use any special firefighting procedures. Water spray, carbon dioxide, dry chemical powder or appropriate foam can all be used.

SECTION 9. ACCIDENTAL RELEASE MEASURES

For release of large amounts of material, wear safety glasses and rubber gloves. Stop source of leak and isolate spill area. Collect material in an appropriate container and dispose with regular trash. Wash exposed surfaces with acetone or alcohol and rinse with copious amounts of soap and water. Dispose of all waste in accordance with all national, state, and local regulations.

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