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

CHEMICAL IDENTIFICATION

Product Name:

CCCP at 50mM (in DMSO)

Catalog #:
Synonyms:

5140, 6257, 6258
Carbonyl cyanide m-chlorophenylhydrazone, CCCP, CCP, m-Chlorophenyl carbonylcyanide hydrazone, ((3-Chlorophenyl)hydrazono)propanedinitrile, Mesoxalonitrile, (m-chlorophenyl)hydrazono (8CI), Propanedinitrile, ((3-chlorophenyl)hydrazono)-(9CI)

CAS # of Active Reagent:
Chemical Name of Active Reagent:
Molecular Weight of Active Reagent:
Chemical Formula of Active Reagent:

555-60-2
Carbonyl Cyanide 3-Chlorophenylhydrazone
204.62
C₉H₅ClN₄

HAZARDS IDENTIFICATION

Toxic. Irritating to eyes, respiratory system and skin. Toxic by inhalation, in contact with skin and if swallowed. Possible sensitizer.

CHARACTERISTICS

CCCP is a yellow, odorless solution.

Boiling point °C:	No data available.
Melting point °C:	170°C
Vapor pressure (mm Hg):	No data available.
Vapor density:	No data available.
Solubility in water:	Soluble at room temperature.
Specific gravity:	Not applicable.
% Volatile by volume:	Not applicable.
Evaporation rate:	No data available.

STORAGE AND STABILITY

CCCP, as supplied by ICT, is stable for 18 months at 2-8°C when stored in amber vials and protected from light. Always store protected from light in a tightly closed vial. Vials may be hazardous when empty since they contain product residues. Do not breathe vapor or mist.

HEALTH HAZARD

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

SAFETY CONTROL MEASURES

Personal protective equipment, such as lab coat, safety glasses with side shields, gloves should be worn at all times while handling this product. Maintain eye wash fountain and safety shower in work area. Safe laboratory practices should be followed. Always wash thoroughly after handling. Never take internally. Do not breathe vapor or mist.

EXPOSURE GUIDELINES

No exposure guidelines are available.

FIRST AID MEASURES

Skin: Wash thoroughly with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Launder contaminated clothing. Throw away contaminated shoes.

Eyes: Immediately flush with plenty of water for at least 15 minutes, seek medical advice.

Ingestion: If solution is swallowed, wash out mouth with water, seek medical advice.

Inhalation: Remove to fresh air, seek medical advice.

FIRE/EXPLOSION HAZARD

The 50mM solution of CCCP is not a potential fire or explosion hazard. Hazardous polymerization will not occur. Hazardous decomposition products may include: carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen chloride gas, and hydrogen cyanide.

ACCIDENTAL RELEASE MEASURES

For simple counter top spills, use protective gloves and clothing when promptly cleaning up spills. Spilled solutions may be adsorbed into paper toweling and disposed of according to local waste management ordinances. The water-soluble characteristics of this reagent allow the area to be cleaned up using soap and water. For large spills, evacuate area of all unnecessary employees. Wear appropriate personal protective equipment including: neoprene (or equivalent) gloves, safety glasses with side shields, and lab coat. Contain the spill and dispose of in compliance with federal, state, and local regulations. US regulations (CERCLA) require reporting spills and releases to soil, water, and air in excess of reportable quantities. The toll-free number to the US Coast Guard National Response Center is (800) 424-8802.

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