Tetrakis(acetonitrile)copper(I) hexafluorophosphate: sc-237053

MATERIAL SAFETY DATA SHEET

SECTION 1: Chemical Product and Company Identification

Product Name: Tetrakis(acetonitrile)copper(I) hexafluorophosphate
Catalog Number: sc-237053
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877–715–9305
Outside the US & Canada: +800 2436 2255 (1–800-CHEMCALL) or call +613 9573 3112

SECTION 2: Composition and Information on Ingredients

Molecular Formula: [(CH3CN)4Cu]PF6

Ingredient	*CAS-No.*	*ACGIH (TWA)*	*OSHA (PEL)*
Title compound	64443–05–6	2.5mg/m3 (as F)	2.5mg/m3 (as F)

SECTION 3: Hazards Identification

Emergency Overview: Irritating to skin, eyes and respiratory tract.
Primary Routes of Exposure: Ingestion

Eye Contact Causes slight to mild irritation of the eyes
Skin Contact Causes slight to mild irritation of the skin.
Inhalation Irritating to the nose, mucous membranes and respiratory tract.
Ingestion Ingestion of copper compounds may lead to vomiting, exhaustion, anemia, convulsions and coma.

Acute Health Effects: Irritating to skin, eyes and respiratory tract.
Chronic Health Effects: No information available on long-term chronic effects.
NTP: No
IARC: No
OSHA: No

SECTION 4: First Aid Measures

Eye Exposure: Immediately flush the eyes with copious amounts of water for at least 10–15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.
Skin Exposure: Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
Inhalation: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.
Ingestion: Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5: Fire Fighting Measures

Flash Point: None
Autoignition Temperature: None
Explosion Limits: None
Extinguishing Medium: Carbon dioxide, foam or dry powder.

Special Fire Fighting Procedures:
If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.
Hazardous Combustion and Decomposition Products:
If involved in a fire this material may emit irritating fumes.
Unusual Fire or Explosion Hazards:
No unusual fire or explosion hazards.

SECTION 6: Accidental Release Measures

Spill and Leak Procedures: Small spills can be mixed with vermiculite or sodium carbonate and swept up.

SECTION 7: Handling and Storage

Handling and Storage: Store in a tightly sealed container. Handle and store the product under an inert atmosphere of nitrogen or argon. Store at room temperature.

SECTION 8: Exposure Controls and Personal Protection

Eye Protection: Always wear approved safety glasses when handling a chemical substance in the laboratory.
Skin Protection: Wear protective clothing and gloves.
Ventilation: If possible, handle the material in an efficient fume hood.
Respirator: If ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 1910.134. Additional Protection: No additional protection required.

SECTION 9: Physical and Chemical Properties

Form	Crystals	Molecular Weight	372.72
Melting Point	no data	Boiling Point	no data
Vapor Pressure	no data	Specific Gravity	no data
Solubility in Water	slightly soluble	Odor	none

SECTION 10: Stability and Reactivity

Stability: Air and moisture-sensitive solid.
Hazardous Polymerization: None
Conditions to Avoid: Contact with strong reducing metals, acetylene and azides.
Incompatibility: Reducing metals, acetylene and azides.
Decomposition Products: Carbon dioxide, carbon monoxide, phosphorus pentoxide, organic fumes, fluorinated organic fumes and copper oxide.

SECTION 11: Other Information

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.
11/22/2011