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Material Safety Data Sheet

Section I- Product Identification

Name: Staurosporine Product Number(s): 6212
Chemical Name: Synonym:
CAS Number: 62996-74-1 Molecular Weight: 466.5
Molecular Formula: C₂₈H₂₆N₄O₃

Section II- Health Hazard

LD50: Not Available
Classification: Toxic. May cause cancer. Possible risk of harm to the unborn child.
Target Organs: Heart because methylene chloride is converted to carbon monoxide in the body; Central nervous system because possible dizziness, headache, loss of consciousness and death at high concentrations; Liver.
Route of Exposure: Readily absorbed through skin. Toxic by inhalation. Harmful if swallowed. Irritating to eyes, respiratory system and skin.
Effects of Over Exposure: Confirmed carcinogen (US). OSHA carcinogen.
Other Effects: Not Available

Section III- Fire and Explosion

Flash Point: Not Available
Extinguishing Media: Suitable: Carbon dioxide, dry chemical powder, or appropriate foam. Water can be applied if capable of extinguishing the fire by sweeping the flames off the surface of the burning liquid.
Firefighting Procedures: Wear self-contained breathing apparatus and protective clothing.
Unusual Fire Hazards: Emits toxic fumes under fire conditions.

Section IV- First Aid

Eye Contact: Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.
Skin Contact: Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Inhalation: Remove from exposure and provide respiration support if necessary. Seek medical attention.
Ingestion: Rinse mouth with water. Contact a physician or poison control immediately.

Section V- Physical Data

<i>Physical State:</i> Solid	<i>Color:</i> Yellow
<i>Boiling Point:</i> Not Available	<i>Volatility:</i> Not Available
<i>Melting Point:</i> Not Available	<i>Density:</i> Not Available
<i>Solubility:</i> Not Available	

Section VI- Chemical Hazard

Stability: Stable

Materials To Avoid: Aluminum, alkali metals, strong oxidizing agents.

Hazardous Decomposition Products: Phosgene gas Carbon monoxide, Carbon dioxide, Hydrogen chloride gas. Hazardous polymerization will not occur.

Other Remarks: This substance is considered to be non-hazardous for air transport.

Section VII- Handling and Storage

Storage Conditions: Store in a cool, dry, dark place in a tightly closed container. Store at 2-8 degrees C.

Handling: Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Wear disposable coveralls and discard them after use. Use in a well ventilated area. Use only in a chemical fume hood. Wash thoroughly after handling material.

Section VIII- Spillage

Cleanup Procedures: Use appropriate tools to collect material and dispose of in waste container. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Waste Disposal: Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

Section IX- Other Information

The information in this document is believed to be correct but is not necessarily complete. Immunochemistry Technologies, LLC does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.