

Material Safety Data Sheet (MSDS) for Staurosporine



166B Cummings Center ■ Beverly, MA 01915

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I. Identification

Product name: Staurosporine

Chemical name: Staurosporine

CAS number: 62996-74-1

Empirical formula: C₂₈H₂₆N₄O₃

Catalog number: NA

II. Composition, Information on Ingredients

Composition, Information on Ingredients Supplied as pure compound.

III. Health Hazard Data

Emergency Overview: Appearance: off-white powder. Light sensitive. Moisture sensitive.

Caution! The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Target Organs: No data found.

Chronic: No information found.

NFPA Rating (estimated)

Health: 1 Flammability: 0 Reactivity: 0

Routes of Entry: avoid ingestion and inhalation, avoid contact with skin, eyes.

Threshold Limit Value (TLV) and Source: Data not available. To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated.

Potential Acute Health Effects: May cause skin, eye, or lung irritation. To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated. Allergy-prone individuals should be particularly cautious with proteins or other materials of biologic origin.

IV. Emergency and First Aid Procedures

Ingestion: If swallowed, get medical attention. Wash mouth out with water and drink 2-4 cupfuls of water providing person is conscious and alert. Do NOT induce vomiting.

Skin: Immediately wash skin with copious amounts of water and remove contaminated clothing.

Inhalation: Immediately remove to fresh air. If not breathing, perform artificial respiration and get immediate medical attention.

Eyes: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Consult a physician.

V. Fire and Explosion Hazard Data

Flammability: Not applicable

Flash Points: Not applicable

Extinguishing media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Do NOT get water inside containers. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Special fire fighting procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

Unusual fire and explosion hazards: none known

VI. Physical Data

Physical State: Powder

Appearance: off-white

Odor: none reported

pH: Not available.

Vapor Density: N/A (solid compound).

Evaporation Rate: N/A (solid compound).

Boiling Point: N/A (solid compound).

Freezing/Melting Point: solid at working temperatures

Solubility: Not available.

Specific Gravity/Density: N/A (solid compound).

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VII Stability/Reactivity

Stable at room temperature in closed containers under normal storage and handling conditions; not reactive as far as known.

Conditions to Avoid: Incompatible materials, light, moisture, excess heat, exposure to moist air or water.

Materials to avoid: Moisture, strong oxidizing agents.

Hazardous Decomposition Products: not available.

Hazardous Polymerization: Will not occur.

VIII. Toxicology Information

Toxicity to Animals: LD50/LC50: Not available.

Carcinogenicity: CAS# 62996-74-1 not listed by ACGIH, IARC, NTP, or OSHA.

Chronic Effects on Humans: Not available.

IX. Spill and Leak Procedures

Steps to be taken if material is spilled or released: Wear lab coat, chemical resistant gloves and safety glasses. Vacuum or sweep up material immediately and dispose of properly. Wash down the spill site.

Waste Disposal Method: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

X. Handling and Storage

Handling: avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage: Keep container tightly closed, store at -20°C.

Exposure Limits: none listed for staurosporine by ACGIH, NIOSH, OSHA

X1. Other information

We recommend treating all chemicals with caution whether or not they are deemed hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200.

This product is sold only for R&D purposes. No other use is intended, and any other use may involve substantive hazards. This product is intended for research personnel who are well trained in the good laboratory habits, such as avoiding spills, keeping hands clean at all times and not rubbing eyes with hands while working in the laboratory.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide for experienced personnel. Cell Signaling Technology, Inc., shall not be held liable for any damage resulting from the handling of or from contact with the above product. The burden of safe use of this material rests entirely with the user.