

Material Safety Data Sheet (MSDS) for U0126 (MEK 1/2 Inhibitor)

I. Identification:

Product name: U0126 (MEK 1/2 Inhibitor)

Product Catalog: 9903

CAS number: None

Manufacturer Supplier: Cell Signaling Technology
3 Trask Lane
Danvers, MA 01923 USA
978-867-2300 TEL
978-867-2400 FAX
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II. Composition/Information on Ingredients:

Chemical Name: 1,4-diamino-2,3-dicyano-1,4-bis(aminophenylthio)butadiene
U0126
Synonym(s): U0126
Formula: C₁₈H₁₆N₆S₂
Formula Weight: 380.5

III. Hazard Identification:

EMERGENCY OVERVIEW:

May be an irritant.

CAUTION:

May cause irritation to eyes, skin, mucous membranes.

Wear suitable personal protective equipment.

HMIS Rating: Health: 1
Flammability: 0
Reactivity: 0

IV. First Aid Measures:

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, get medical attention.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Get medical attention.

Skin exposure: In case of contact, immediately wash skin with soap and water for at least 15 minutes. Remove contaminated clothing. Wash clothing before reuse

Eye exposure: In case of contact with eyes, immediately flush eyes water for at least 15 minutes. Get medical attention.

V. Fire Fighting Measures:

Flash Point: data not available

Autoignition Temperature: data not available

Explosion: data not available

Fire extinguishing media: water spray, dry chemical, foam, or carbon dioxide.

Firefighting: wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

VI. Accidental Release Measures: Wear appropriate personal protective equipment as indicated in Section VIII. Sweep up material and avoid raising dust. Transfer to a closed chemical waste container for disposal. Wash spill site after material has been picked up for disposal.

VII. Handling And Storage: Store in tightly closed container at -20°C. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

VIII. Exposure Controls/Personal:

Ventilation System: a system of local and/or general exhaust is recommended.

Skin Protection: wear compatible chemical resistant gloves and protective clothing.

Eye protection: wear protective safety glasses or chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

IX. Physical And Chemical Properties:

Appearance: white
Physical State: solid
Odor: none
Boiling Point: data not available
Melting Point: data not available
Freezing point: data not available
Volatile Organic Compounds: none
Solubility: soluble in DMSO

X. Stability and Reactivity:

Stability: stable under normal conditions.

Conditions to avoid: acids, bases, light, and heat.

Hazardous Decomposition: carbon monoxide and carbon dioxide fumes may occur.

XI. Toxicological Information:

Acute Effects: none known. May be Irritating to eyes, skin, mucous membranes.

Chronic Effects: To the best of our knowledge, the chemical, physical, and toxicological properties of this solution have not been thoroughly investigated.

XII. Ecological Information:

Data not available.

XIII. Disposal Considerations: Dispose of in accordance with federal, state, local environmental regulations.

XIV. Transport Information:

DOT

Proper Shipping Name: none

Hazard Class: This substance is considered non-hazardous for transport.

UN/NA: none

Packing group: none

IATA

Proper Shipping Name: none

Non-Hazardous for air transport: This substance is considered non-hazardous for air transport.

XV. Regulatory Information: EU Regulations/Classifications/Labeling Information: Not available for this chemical substance.

US Regulatory Information:

SARA Listed: No

Canada (WHMIS): DSL No, NDSL No.

XVI. Other Information:

This compound is sold only for research use by personnel familiar with chemicals and who are well trained in 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.