



Material Safety Data Sheet

SECTION 1—CHEMICAL INFORMATION

Product No.: CP-2053

Product Name: Mal- PEG4-bis-PEG4-alkyne

CAS.No.: N/A

SECTION 2—COMPOSITION/INFORMATION ON INGREDIENT

Formula: C₄₉H₈₁N₅O₂₀

Molecular Weight: 1060.19

Assay: single compound >90%

SECTION 3—HAZARDOUS IDENTIFICATION

Emergency Overview: The hazards identified with this product are those associated with the following component: None

OSHA Hazards: Data Not Available

HMIS Rating: Data not available

SECTION 4—FIRST AID MEASURES

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Dermal Exposure: In case of contact, immediately wash skin with soap and copious amounts of water. Call a physician.

Eye Exposure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

SECTION 5—FIRE FIGHTING MEASURES

Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

Special Fire Fighting Procedures: Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Fire and Explosion Hazards: Combustible liquid. Emits toxic fumes under fire conditions.

Flammability: N/A

SECTION 6—ACCIDENTAL RELEASE MEASURES

Personal Precautions: Exercise appropriate precaution to minimize direct contact with skin or eyes. Avoid dust formation.

Environmental Precautions: Do not let product enter drains.

Methods For Cleaning Up: Cover with dry lime, sand, or soda ash. Sweep up and shovel. Place in covered container for disposal.

SECTION 7—HANDLING AND STORAGE

Handling: Provide appropriate exhaust ventilation.

Storage: Keep tightly closed in a dry and well ventilated place. Store at -20°C .

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SECTION 8—EXPOSURE CONTROLS/PPE

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment: Gloves suitable to prevent exposure.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

Skin Specific: Chemical resistant

General Hygiene Measures: Wash hands thoroughly after handling. Wash contaminated clothing before use.

Respiratory Protection: None required.

SECTION 9—PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Colorless oil.

Property: pH: N/A Boiling Point Range: N/A Melting Point Range: N/A Freezing Point: N/A Vapor Pressure: N/A Vapor Density: N/A Volatile%: N/A Viscosity: N/A Auto Ignition Temp: N/A Refractive Index: N/A Solubility in Water: N/A

SECTION 10—STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Materials to Avoid: Acid chlorides, Phosphorus halides, strong oxidizing agents, strong acids, strong reducing agents.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Sulfur dioxides.

Hazardous Polymerization: Will not occur.

SECTION 11—TOXICOLOGICAL INFORMATION

Route of Exposure

Skin Absorption: May be harmful if absorbed.

Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed

SECTION 12—ECOLOGICAL INFORMATION

Data not available at this time.

SECTION 13—DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of Substance or Preparation: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

SECTION 14—TRANSPORT INFORMATION

Not regulated as a hazardous material.

SECTION 15—REGULATORY INFORMATION

Not regulated as a hazardous substance. European information Caution:

Substance not yet fully tested. S 5001

SECTION 16—OTHER INFORMATION

DISCLAIMER: The information provided on the MSDS is furnished in good faith and based on our present knowledge. However, this MSDS shall not constitute a guarantee of any kind. Personnel handling this material must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of this material and the safety and health of employees and customers. Conju-Probe, LLC assumes no additional liability or responsibility resulting from the use of, or reliance on this information. This product is for R&D use only. Not for drug, household or other uses. Questions about the information found on this MSDS should be directed to info@conju-probe.com.

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