

LGK974 (WNT974) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** LGK974 (WNT974)
- **Catalog Number:** S7143
- **CAS Number:** 1243244-14-5
- **IUPAC Name:** [2,4'-Bipyridine]-5-acetamide, 2',3-dimethyl-N-[5-(2-pyrazinyl)-2-pyridinyl]-

Relevant identified uses and uses advised against

- **Identified uses:** For research and development use only; laboratory chemicals; manufacture of substances.
- **Uses advised against:** Not for pharmaceutical, household, or other unapproved uses.

Details of the supplier

- **Company :** Selleck Chemicals
- **TollFree :** +1 877 796-6397
- **Tel :** +1 832 582-8158
- **Fax :** +1 832 582-8590

Emergency telephone number

- **Emergency phone #:** +1 832 582-8158

2. HAZARDS IDENTIFICATION

GHS Classification:

According to the OSHA Hazard Communication Standard (29 CFR 1910.1200), this product is not classified as a hazardous substance or mixture.

Other Hazards:

None known.

GHS Label Elements:

The product is not a hazardous substance or mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance

Chemical Name: [2,4'-Bipyridine]-5-acetamide, 2',3-dimethyl-N-[5-(2-pyrazinyl)-2-pyridinyl]-

Components: No hazardous ingredients are present in this substance.

4. FIRST AID MEASURES

Inhalation: If inhaled, move the person to fresh air.

Skin Contact: Take off all contaminated clothing immediately. Rinse the affected skin area with water or shower.

Eye Contact: Rinse eyes thoroughly with plenty of water. Remove contact lenses if present.

Ingestion: If swallowed, provide the victim with a maximum of two glasses of water. Consult a physician if the individual feels unwell.

Most Important Symptoms and Effects: The most important known symptoms and effects are described in the labeling (Section 2.2) and/or in Section 11.

Protection of First-Aiders: Refer to Section 8 for personal protective equipment.

Notes to Physician: N/A

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water, foam, carbon dioxide (CO₂), or dry powder.

Unsuitable Extinguishing Media: No limitations of extinguishing agents are specified for this substance.

Specific Hazards: The product is combustible. The development of hazardous combustion gases or vapors is possible in the event of a fire.

Hazardous Combustion Products: The nature of decomposition products is not known.

Specific Extinguishing Methods: N/A

Further Information: Prevent fire extinguishing water from contaminating surface water or groundwater systems.

Special Protective Equipment for Firefighters: In the event of a fire, wear a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures:

- **For non-emergency personnel:** Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, and consult an expert.
- **For emergency responders:** Refer to Section 8 for personal protection.

Environmental Precautions: Do not allow the product to enter drains.

Methods and Materials for Containment and Cleaning Up: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (refer to Sections 7 and 10). Take up the material dry and dispose of it properly. Clean the affected area and avoid the generation of dusts.

7. HANDLING AND STORAGE

Precautions for Safe Handling: For precautions, see Section 2.2.

Conditions for Safe Storage: Keep the container tightly closed and in a dry place.

Storage Class: 11, Combustible powder.

Recommended Storage Temperature: Refer to the product label for specific storage temperature requirements.

Storage Stability: Recommended storage temperature is indicated on the product label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: Contains no substances with occupational exposure limit values.

Engineering Measures: N/A

Personal Protective Equipment:

- **Respiratory Protection:** Required when dusts are generated. Recommended filter type: P1 (based on DIN EN 143, DIN 14387, and related standards).
- **Hand Protection:** Use nitrile rubber gloves (Full contact: 0.11 mm thickness, >480 min breakthrough time; Splash contact: 0.11 mm thickness, >480 min breakthrough time). Recommended model: KCL 741 Dermatril-L.
- **Eye Protection:** Use safety glasses tested and approved under standards such as NIOSH (US) or EN 166 (EU).
- **Hygiene Measures:** Change contaminated clothing. Wash hands thoroughly after working with the substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: powder

Color: Light brown to brown

Odor: N/A

Odor Threshold: N/A

pH: N/A

Melting Point: N/A

Boiling Point/Boiling Range: N/A

Flash Point: Not applicable

Evaporation Rate: N/A

Flammability (solid, gas): N/A

Flammability (liquids): N/A

Burning Rate: N/A

Upper/Lower Explosion Limit: N/A

Vapor Pressure: N/A

Relative Vapor Density: N/A

Relative Density: N/A

Density: N/A

Water Solubility: Slightly soluble (68 degrees F / 20 degrees C)

Partition Coefficient (n-octanol/water): log Pow: 2.1 (77 degrees F / 25 degrees C) (calculated).

Bioaccumulation is not expected.

Autoignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity (dynamic/kinematic): N/A

Explosive Properties: N/A

Oxidizing Properties: None

Molecular Weight: 396.44 g/mol

Particle Size: N/A

10. STABILITY AND REACTIVITY

Reactivity: Flammable organic substances in fine distribution may generally assume a dust explosion potential when whirled up.

Chemical Stability: The product is chemically stable under standard ambient conditions (room temperature).

Possibility of Hazardous Reactions: N/A.

Conditions to Avoid: No information available.

Incompatible Materials: N/A.

Hazardous Decomposition Products: In the event of fire, see Section 5.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- **Oral:** N/A.
- **Inhalation:** N/A.
- **Dermal:** N/A.

Skin Corrosion/Irritation: N/A.

Serious Eye Damage/Eye Irritation: N/A.

Respiratory or Skin Sensitization: N/A.

Germ Cell Mutagenicity: N/A.

Carcinogenicity:

- **IARC:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen.
- **NTP:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.
- **OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive Toxicity: N/A.

Specific Target Organ Toxicity - Single Exposure: N/A.

Specific Target Organ Toxicity - Repeated Exposure: N/A.

Aspiration Hazard: N/A.

Additional Information: N/A.

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/A.

Persistence and Degradability: N/A.

Bioaccumulative Potential: N/A.

Mobility in Soil: N/A.

Other Adverse Effects: N/A.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in their original containers. Do not mix with other waste. Handle uncleaned containers in the same manner as the product itself.

14. TRANSPORT INFORMATION

International Regulations:

- **IATA-DGR:** Not regulated as a dangerous good.
- **IMDG-Code:** Not regulated as a dangerous good.
- **IMO Instruments:** Not applicable for the product as supplied.

National Regulations:

- **49 CFR Road:** Not regulated as a dangerous good.
- **Poison Inhalation Hazard:** No.

Special Precautions for User: Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the

threshold (De Minimis) reporting levels established by

SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

The ingredients of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA

inventory.

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

16. OTHER INFORMATION

Revision Date: 2026/07/20

Further Information: The information provided is believed to be correct but is not exhaustive and should be used only as a guideline based on current knowledge. It does not represent a guarantee of the properties of the product. Selleck Chemicals Corporation and its Affiliates shall not be held liable for any damage resulting from handling or contact with the product.