

Safety Data Sheet

Fruquintinib

Cat#: orb636838

Section 1: Product Identification

Name: Fruquintinib

CAS Number: 1194506-26-7

Catalog Number: orb636838

Chemical Formula: $C_{21}H_{19}N_3O_4$

Alt. Name: HMPL-013

Recommended use: For research use only

Section 2: Hazards Identification

GHS – Classification

Acute toxicity, Oral (Category 4), H302 Skin Irritation (Category 2), H315

Eye Irritation (Category 2A), H319

Specific Target Organ Toxicity - Single Exposure (Category 3), H335

Signal Word

Warning

Hazard Statements

H302 - Harmful if swallowed H315 - Causes skin irritation

H319 - Causes serious eye irritation H335 - May cause respiratory irritation

Precautionary statements

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray P264 - Wash skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear eye protection / face protection

P301 + P310 + P330 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth

P302+P352 - If on skin: Wash with plenty of water

P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell

P321 - Specific treatment

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P337+P313 - If eye irritation persists: Get medical advice/attention

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

Other information

None

Section 3: Composition / Information on Ingredients

This product contains only the ingredient described in Section 1.

Section 4: First Aid Measures

General Advice: Consult physician. Show this safety data sheet to the doctor in attendance.

Observe for at least 48 hours after the incident.

Eye Contact: Flush eyes with water as a precaution. Remove contact lenses.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Notes to Physician: Treat symptomatically

Section 5: Fire and Explosion Data

Flammability: Not Available

Flash Point: Not Available

Combustion Products: Not Available

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Fight fire according to surrounding conditions.

Special Firefighting Procedures: Wear self-contained breathing apparatus for firefighting if necessary.

Explosion Data: Not Available

Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, dust, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions: Do not let product enter drains.

Methods of Containment and Cleanup: Pick up and arrange disposal without creating dust using wet towels, for small quantities. Keep in suitable, closed containers for disposal.

Methods for Disposal: See section 13

Section 7: Storage and Handling Precautions

Advice on Safe Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage and Handling: Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls / Personal Protection

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by region-specific regulatory bodies.

Personal Protective Equipment:

Eye / Face Protection: Tightly fitting safety goggles. Face shield

Skin Protection: Handle with gloves

Respiratory Protection: Wear NIOSH / MSHA approved respirator if required.

Body Protection: Impervious clothing

Personal Hygiene Measures: When using this product, do not eat, drink or smoke.

Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

Section 9: Physical and Chemical Properties

Appearance: Powder

Odor: Not Available

Odor Threshold: Not available

Physical state at 20°C: Solid

pH: Not Applicable

Auto-ignition Temp.: Not Available

Flash Point: Not available

Boiling point: Not Available

Decomposition Temp.: Not Available

Flammability limits in air: Not Available

Melting Point: Not found

Aqueous Solubility: Not Available

Explosion Limits: Not Applicable

Vapor Density: Not Available

Specific Gravity: Not Available

Evaporation Rate: Not Applicable

VOC Content: Not Applicable

Section 10: Stability and Reactivity Data

Reactivity: None known

Chemical Stability: This material is stable if stored as directed

Possibility of Hazardous Reactions: None known

Incompatible products: None known

Conditions to avoid: Not available

Hazardous decomposition products: In the event of fire: see section 5

Hazardous polymerization: Does not occur

Section 11: Toxicological Information

Acute Toxicity

Oral toxicity: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion / Irritation: No data available

Serious eye damage / eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: None known

RTECS#: Not available

Chronic Toxicity: No data available

Target Organs or Systems: The chemical, physical, and toxicological properties have not been thoroughly investigated

Section 12: Ecological Information

Ecotoxicological Information: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: No data available

Section 13: Disposal Considerations

Waste Disposal Method: Offer surplus and non-recyclable product and packaging to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land Transport (US DOT):

Not dangerous goods

Marine Transport (IMDG):

Not dangerous goods

Air Transport (ICAO / IATA):

Not dangerous goods

Section 15: Regulatory Information

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

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.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

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

Pennsylvania Right To Know Components

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

New Jersey Right To Know Components

No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

The above information is believed to be correct to the best of our knowledge, information and belief at the date of its publication and / or revision. The information given is designed only as a guide for safe handling, use, storage transportation disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific product designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. This information does not purport to be complete and should be used only as a guide since new information on this product may not be known to us. The burden of safe use of this material rests entirely with the user.