Safety Data Sheet

Olaparib

Cat#: orb322721

Updated Date: 6/11/2020

Section 1. Product and Company Identification

Product Name Olaparib

Catalog No. orb322721

Chemical Name (Synonyms) AZD2281, KU-0059436

Section 2. Hazards Identification

GHS Classification

Acute toxicity, Oral (Category 3), H301

Reproductive toxicity (Category 1B), H360

Target Organ Systemic Toxicity, repeated exposure (Category 1), H327

GHS Label elements including precautionary statements

Pictogram:

Signal word: Danger

Hazard statement

Hazard and precautionary statements

H301 - Toxic if swallowed.

H360 - May damage fertility or the unborn child.

H327 - Causes damage to organs (blood and circulatory system) through prolonged or repeated exposure.

Precautionary statements

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust, fumes, gas, mist, vapors, spray.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink, or smoke when using this product.

P281 - Use personal protective equipment as required.

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P308 + P313 - IF exposed or concerned: Get medical attention/advice.

Biorbyt Ltd
7 Signet Court, Swann Road, Cambridge, CB5 8LA. United Kingdom
Email: info@biorbyt.com | Phone: +44 (0)1223 859-353 | Fax: +44 (0)1223 280-240

Biorbyt LLC
68 TW Alexander Drive, Durham, NC 27709. United States
Email: info@biorbyt.com | Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

P314 - Get medical attention/advice if you feel unwell.

P321 - Specific treatment (see supplemental 1st aid instructions on this label).

P330 - Rinse mouth.

P405 - Store locked up.

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

HMIS Classification

Health hazard: 3

Flammability: 0

Physical hazards: 0

NFPA Rating

Health hazard: 3

Fire: 0

Reactivity hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: Acute toxicity. Harmful if swallowed.

Reproduction - May damage fertility or the unborn child.

Repeated exposure - Causes damage to the organs through the blood and circulatory system.

Section 3. Composition/Information on Ingredients

Substances Ingredient: Title Compound Percent: 100

Formula $C_{24}H_{23}FN_4O_3$ **Formula Wt.** 434.47

CAS No. 763113-22-0 **EC No.**

Section 4. First Aid Measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact Flush eyes with water as a precaution.

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 Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5. Firefighting Measures

Flash Point

Not available.

Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Firefighting Procedures

Wear self-contained breathing apparatus and protective clothing for firefighting if necessary.

Unusual Fire Hazards

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx).

Section 6. Accidental Release Measures

Personal Precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleanup

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling

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

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: +4˚C

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx).

Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS

Contains no substances with occupational exposure limit values.

General industrial hygiene and safety practice.

PERSONAL PROTECTION

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances and to the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

Physical State	Solid.	**Color**	White to off-white powder.
Boiling Point	Not available.	**Volatility**	Not available.
Melting Point	Not available.	**Density**	Not available.
Solubility	DMSO (10 mg/ml), DMF (3 mg/ml)	**pH**	Not available.
Flash Point	Not available.	**Ignition temperature**	Not available.
Lower explosion limit	Not available.	**Autoignition temperature**	Not available.
Upper explosion limit	Not available.	**Vapor pressure**	Not available.
Water solubility	Not available.	**Odor**	Not available.
Partition coefficient n-octanol/water	Not available.	**Odor Threshold**	Not available.
Relative vapor density	Not available.	**Evaporation rate**	Not available.

Section 10. Stability and Reactivity

Stability

Stable under recommended storage conditions.

Materials To Avoid

Strong oxidizing agents.

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx).

Possibility of hazardous reactions

Not available.

Conditions to avoid

Not available.

Section 11. Toxicological Information

Oral LD50

Not available.

Inhalation LC50

Not available.

Dermal LD50

Not available.

Other information on acute toxicity

Not available.

Reproductive Toxicity

Not available.

Specific organ toxicity single exposure (GHS)

Not available.

Specific organ toxicity repeated exposure (GHS)

Not available.

Teratogenicity

Not available.

Skin corrosion/irritation

Not available.

Serious eye damage/irritation

Not available.

Respiratory or skin sensitization

Not available.

Germ cell mutagenicity

Not available.

Aspiration Hazard

Not available.

Synergistic effects

Not available.

Additional Information

RTECS: TH9203962

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Signs and symptoms of exposure

Not available.

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: Acute toxicity. Harmful if swallowed.

Reproduction - May damage fertility or the unborn child.

Repeated exposure - Causes damage to the organs through the blood and circulatory system.

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.

Section 12. Ecological Information

Toxicity Not available.

Mobility in soil Not available.

PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/ not conducted.

Persistence and degradability Not available.

Other adverse effects Not available.

Bioaccumulative potential Not available.

Section 13. Disposal Considerations

Waste Disposal

Dispose of material according to all federal, state, and local regulations.

Offer material to a licensed, professional waste disposal company to dispose of as unused product. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Section 15. Regulatory Information

Reach No.

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

SARA 313 Components 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 Components Acute health hazard.

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

Pennsylvania Right To Know Components	Olaparib	CAS #: 763113-22-0
New Jersey Right to Know Components	Olaparib	CAS #: 763113-22-0

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

Other information

The information in this document is believed to be correct but is not necessarily complete. Biorbyt does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.