

Safety Data Sheet

#90027882 · Full 16-section SDS

According to Regulation (EC) No 1907/2006

According to Regulation (EC) No 2020/878

PRODUCT	CAS NUMBER	FORMULA	VERSION	REVISION DATE
Olaparib	763113-22-0	C24H23FN4O3	10	17 Aug 2026

SECTION 1

Identification

Product name	Olaparib
CAS number	763113-22-0
Chemical formula	C24H23FN4O3
Molecular weight	434.46
SMILES	<chem>C1CC1C(=O)N2CCN(CC2)C(=O)C3=C(C=CC(=C3)CC4=NNC(=O)C5=CC=CC=C54)F</chem>
EC / EINECS number	642-941-5
Recommended use & restrictions	For research and development. Laboratory chemicals. Manufacture of substances. Not suitable for human or veterinary purposes.
Emergency telephone	0344 892 0111 — National Poisons Information Service (NPIS) (United Kingdom — for healthcare professionals (via TOXBASE))

SECTION 2

Hazard identification

**DANGER****CODE HAZARD STATEMENT****H301** Toxic if swallowed**H360D** May harm the unborn child**H372** Causes damage to organs through prolonged or repeated exposure**CODE PRECAUTIONARY STATEMENT****P260** Do not breathe dust/fume/gas/mist/vapours/spray**P263** Avoid contact during pregnancy/while nursing**P264** Wash thoroughly after handling**P280** Wear protective gloves/protective clothing/eye protection/face protection**P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting**P501** Dispose of contents/container to an approved waste disposal plant**Other hazards (e.g. PBT / vPvB, not classified)**

PBT/vPvB: does not meet the PBT/vPvB criteria. Endocrine disrupting properties: no known/suspected endocrine disruptor identified. Fine dust may present a dust-explosion potential if dispersed.

SECTION 3

Composition / information on ingredients

Purity / concentration 100% substance / neat material**Impurities / stabilising additives** No impurities or stabilising additives identified.

SECTION 4

First-aid measures

Inhalation	Remove to fresh air. Keep under observation and obtain medical attention if symptoms occur.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with plenty of water for at least 15 minutes. Seek medical attention.
Eye contact	Rinse immediately with plenty of water for at least 15 minutes, lifting eyelids. Remove contact lenses if present and easy to do. Seek medical attention.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Immediately call a poison centre / doctor.
Symptoms / effects & medical attention	The principal established hazards are acute oral toxicity, developmental reproductive toxicity and STOT repeated exposure. Treat symptomatically.

SECTION 5

Fire-fighting measures

Suitable extinguishing media	Water spray, foam, carbon dioxide (CO ₂) or dry powder.
Unsuitable extinguishing media	Do not scatter spilled material with high-pressure water streams.
Special hazards	Combustible. Fire may produce carbon oxides, nitrogen oxides (NO _x) and hydrogen fluoride (HF).
Advice for firefighters	Use self-contained breathing apparatus and suitable protective clothing. Prevent contaminated fire water from entering drains or watercourses.

SECTION 6

Accidental release measures

Personal precautions & PPE	Avoid breathing dust and avoid contact. Ensure adequate ventilation, preferably under a fume hood. Evacuate non-essential personnel from the spill area and use suitable PPE.
Environmental precautions	Do not allow product to enter drains, soil or watercourses.
Containment & clean-up methods	Cover drains. Avoid dust formation. Collect carefully by suitable mechanical means into closed, labelled waste containers. Clean the affected area after removal.

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

Storage temperature	-15 to -20 °C
Precautions for safe handling	Handle in accordance with good laboratory hygiene. Work under a suitable chemical fume hood. Avoid ingestion, skin/eye contact and dust generation. Do not eat, drink or smoke while handling. Wash hands after use.
Conditions for safe storage (incompatibilities)	Keep tightly closed, dry, well ventilated and locked. Store away from strong oxidising agents.

SECTION 8

Exposure controls / personal protection

Occupational exposure limits (OEL / WEL)	No specific occupational exposure limit reported.
DNEC/PNEC data	<i>No data available</i>
Eye / face protection	Safety glasses Wear eye/face protection as recommended. All eye/face protection should comply with EN ISO 16321-1:2022.
Skin / hand protection	Protective nitrile rubber gloves.
Respiratory protection	Full-face respirator Keep self-contained breathing apparatus readily available for emergency use. Provide adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided. Respiratory equipment: Reusable Air-Purifying Respirator (APR). Filter type: ABEK. Standard: EN 14387.

SECTION 9

Physical & chemical properties

Density (g/mL)	1 g/mL DERIVED FROM: LITERATURE
Flash point	<i>Not applicable</i>
Acidity	Neutral DERIVED FROM: LITERATURE
Appearance / physical state	Solid DERIVED FROM: LITERATURE
Colour	White DERIVED FROM: LITERATURE
Odour	Not known DERIVED FROM: LITERATURE
Melting / freezing point	198 °C to 210 °C DERIVED FROM: LITERATURE
Boiling point	<i>No data available</i>
Solubility (water)	1 g/L in water at 25 °C DERIVED FROM: LITERATURE
pH	<i>No data available</i>
Vapour pressure	<i>No data available</i>
Partition coefficient (log Pow)	<i>No data available</i>
Auto-ignition / decomposition temp	<i>No data available</i>

SECTION 10

Stability & reactivity

Chemical stability / reactivity	Stable under normal conditions.
Conditions to avoid	Avoid dust generation and uncontrolled heat / ignition sources.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	<i>Not applicable</i>

SECTION 11

Toxicological information

Acute toxicity (LD50 / LC50)	LD50 oral, rat: 240-300 mg/kg. Ref: External SDS
Skin corrosion / irritation	<i>No data available</i>
Eye corrosion / irritation	<i>No data available</i>
Respiratory / skin sensitisation	<i>No data available</i>
Carcinogenicity	<i>No data available</i>
Mutagenicity	<i>No data available</i>
Reproductive toxicity	Category 1B; H360D - May damage the unborn child.
STOT (single / repeated exposure)	Category 1; H372 - Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	<i>No data available</i>
Endocrine disruptors	<i>No data available</i>

SECTION 12

Ecological information

Aquatic toxicity	<i>Not applicable</i>
Persistence & degradability	<i>Not applicable</i>
Bioaccumulative potential	<i>Not applicable</i>
Mobility in soil	<i>Not applicable</i>
PBT / vPvB assessment	Does not meet the PBT/vPvB criteria.

SECTION 13

Disposal considerations

Waste treatment / disposal methods	<i>Not applicable</i>
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SECTION 14

Transport information

UN number	UN2811
Proper shipping name	TOXIC SOLID, ORGANIC, N.O.S. (OLAPARIB)
Class	6.1
Packing group	III
Transport category	2
Tunnel code	(E)
Packing instruction (ADR)	P002
Packing instruction (IMDG)	P002
Environmental hazards	No
Special precautions for user	ADR: no additional product-specific special precautions; IATA: Special Provisions A3, A5 and ERG Code 6L.



SECTION 15

Regulatory information

REACH code	<i>Not applicable</i>
UFI code	<i>Not applicable</i>
ECHA notification	no confirmed ECHA notification identified
Chemical safety assessment carried out?	No

SECTION 16

Other information

Revision notes / other information

Last update: 21-Nov- 2021 | Revised : 14-Aug-2026 According to REACH etc. (Amendment etc.) (EU Exit) Regulations 202 No. 1577.

Hazard classification and labelling according to Regulation (EC) 1272/2008

All eye/face protection should comply with EN ISO 16321-1:2022

Respiratory equipment: Reusable air-purifying respirator (APR)

Filter Type: ABEK

Standard: EN 14387

National Regulations:

-Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances

Other regulations, limitations and legal regulations:

-Directive 94/33/EC- The protection of young people at work

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