

SECTION 5

Fire-fighting measures

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Water jet.
Special hazards	Combustible. Nature of decomposition unknown. Development of hazardous combustion gases or vapours possible in the event of fire.
Advice for firefighters	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6

Accidental release measures

Personal precautions & PPE	No specific recommendations. For personal protection, see Section 8.
Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.
Containment & clean-up methods	Reuse or recycle products wherever possible. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

Storage temperature	Ambient
Precautions for safe handling	Wear protective clothing, gloves, eye and face protection. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid ingestion and inhalation. For precautions see section 2.2. Observe good chemical hygiene practices. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove contaminated clothing and launder thoroughly before re-use. Wash skin thoroughly after handling.
Conditions for safe storage (incompatibilities)	Hygroscopic. Store under inert gas. Store away from incompatible materials (see Section 10).

SECTION 8

Exposure controls / personal protection

Occupational exposure limits (OEL / WEL)	Contains no substances with occupational exposure limit values.
DNEC/PNEC data	<i>Not applicable</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	Nitrile gloves Thickness: 0.11mm. Breakthrough time: 480mins.
Respiratory protection	Not required 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)	1.477 g/mL DERIVED FROM: LITERATURE
Flash point	Not applicable
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	280°C DERIVED FROM: LITERATURE
Boiling point	No data available
Solubility (water)	Soluble in water. Soluble in DMSO. DERIVED FROM: LITERATURE
pH	No data available. DERIVED FROM: LITERATURE
Vapour pressure	< 0.0000001 kPa @ 25°C DERIVED FROM: LITERATURE
Partition coefficient (log Pow)	log Pow: < -3 Bioaccumulation is not expected. DERIVED FROM: LITERATURE
Auto-ignition / decomposition temp	No data available. DERIVED FROM: LITERATURE

SECTION 10

Stability & reactivity

Chemical stability / reactivity	Stable under the prescribed storage conditions. The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
Conditions to avoid	The product is chemically stable under the recommended storage conditions.
Incompatible materials	Strong oxidising agents
Hazardous decomposition products	See section 5

SECTION 11

Toxicological information

Acute toxicity (LD50 / LC50)	LD50 Oral - Rat - male and female - > 5,000 mg/kg (Lit.) LC50 Inhalation - Rat - male and female - 4 h - > 4.9 mg/l - dust/mist (Lit.) LD50 Dermal - Rat - male and female - > 2,000 mg/kg (Lit.)
Skin corrosion / irritation	Skin - Rabbit Result: No skin irritation (Lit.)
Eye corrosion / irritation	Eyes - Rabbit, Result: No eye irritation (Lit.)
Respiratory / skin sensitisation	Maximisation Test - Guinea pig Result: Not a skin sensitiser (Lit.)
Carcinogenicity	Test Type: Ames test, Test system: S. typhimurium, Metabolic activation: with and without metabolic activation, Method: OECD Test Guideline 471 , Result: Negative. (Lit.) Test Type: Chromosome aberration test in vitro Test system: lymphocyte Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative
Mutagenicity	Not applicable
Reproductive toxicity	Not applicable
STOT (single / repeated exposure)	Based on available data, the classification criteria are not met
Aspiration hazard	Not relevant. Solid.
Endocrine disruptors	Material is not considered an endocrine disruptor.

SECTION 12

Ecological information

Aquatic toxicity	static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 200 mg/l - 96 h (Lit.)
	static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (Lit.)
	static test NOEC - Pseudokirchneriella subcapitata - > 150 mg/l - 72 h (Lit.)
	static test EC50 - Pseudomonas putida - > 10,000 mg/l - 16 h (Lit.)
	Chronic- semi-static test NOEC - Daphnia magna (Water flea) - > 120 mg/l - 21 d (Lit.)
Persistence & degradability	Biodegradability aerobic - Exposure time 28 d Result: 89 % - Readily biodegradable.
Bioaccumulative potential	No data available on bioaccumulation.
Mobility in soil	No data available.
PBT / vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 13

Disposal considerations

Waste treatment / disposal methods	Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with local water authority requirements.
---	---

SECTION 14

Transport information

UN number	<i>Not applicable</i>
Proper shipping name	NCH
Class	NCH
Packing group	NCH
Transport category	<i>Not applicable</i>
Tunnel code	-
Packing instruction (ADR)	NCH
Packing instruction (IMDG)	NCH
Environmental hazards	No.
Special precautions for user	Not applicable.

SECTION 15

Regulatory information

REACH code	Y113
UFI code	<i>Not applicable</i>
ECHA notification	<i>Not applicable</i>
Chemical safety assessment carried out?	Not required

SECTION 16

Other information

Revision notes / other information	<i>Not applicable</i>
---	-----------------------

This Safety Data Sheet was generated automatically from the data Molekula holds against this product, in the 16-section GHS/CLP format. Fields shown as "No data available" carry no recorded value; fields shown as "Not applicable" were assessed as not relevant to this substance. For queries, contact Molekula at info@molekula.com.