

SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.1
Prepared on : 30.03.2019
Revised on : 23.09.2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking.

1.1 Product identifiers

Product name Erbium phosphate anhydrous
Product Number PSR50032
Brand PureSynth research chemicals
CAS No. 14298-38-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory Reagent

1.3 Details of the supplier of the safety data sheet

Company PureSynth Research Chemicals GmbH.
64683 Einhausen Marie-Curie-Straße. 3, Germany

1.4 Emergency telephone number

Worldwide Helpline No.: 1800-8908-260

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin corrosion/irritation Category 2.
Serious eye damage/eye irritation Category 2A
Specific target organ toxicity (single exposure) Category 3

2.2 Label elements

Pictogram



Signal word

Warning

Hazard statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P271 Use only outdoors or in a well-ventilated area
P308 + P313 IF exposed or concerned: Get medical advice/attention
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 If eye irritation persists: Get medical advice/attention
P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

	breathing
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P403 + P233	Store in a well-ventilated place. Keep container tightly closed
P501	Dispose of contents/ container to an approved waste disposal plant.
Supplemental Hazard Statements	none

2.3 **Other hazards:** 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 3: Composition / information on ingredients

3.1 Substances

Common names & Synonyms	Mol. formula	CAS number
--	ErO ₄ P	14298-38-5
Component	Classification	Concentration
Erbium Phosphate	--	>98

SECTION 4: First aid measures

Description of first aid measures

General advice	Consult a physician if necessary. Remove to fresh air.
If inhaled	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
In case of skin contact	Wash skin with soap and water.
In case of eye contact	Wash with plenty of water.
If swallowed	Never give anything by mouth to an unconscious person. Clean mouth with water.
Most important symptoms and effects, both acute and delayed	No information available.
Indication of any immediate medical attention and special treatment needed	Note to physicians- Treat symptomatically

SECTION 5: Fire fighting measures

Extinguishing media	
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No data available.
Special hazards arising from the substance or mixture	No data available
Advice for fire-fighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Further information	No data available.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation, especially in confined areas For personal protection see section 8.
Environmental precautions	See Section 12 for additional Ecological Information.
Methods and materials for containment and cleaning up	Prevent further leakage or spillage if safe to do so. Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

Reference to other sections For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage, including any incompatibilities	Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls / Personal protection

Control parameters	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Appropriate engineering controls	Showers Eyewash stations Ventilation systems
Eye / face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Wear protective gloves and protective clothing
Body Protection	Wear protective gloves and protective clothing
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Control of environmental exposure	Do not let product enter drains.

SECTION 9: Physical and chemical properties

Appearance	Form: Solid
	Colour: No data available
Odour	No data available
pH - Value	No data available
Density	No data available
Boiling Point	No data available
Melting Point	No data available
Solubility in water	No data available
Flash point	No data available
Vapour pressure	No data available
Auto -ignition temperature	No data available
Vapour density	No data available
Flammability (solid, gas)	No data available
Evaporation rate	No data available
Partition coefficient: n- octanol / water	No data available
Viscosity	Viscosity, dynamic : No data available Viscosity, kinematic : No data available
Explosive properties	No data available
Upper / lower flammability or explosive limits	No data available
Oxidizing properties	None

Other safety information: No data available

SECTION 10: Stability and reactivity

Reactivity	Not applicable
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.
Condition to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	None known based on information supplied.

SECTION 11: Toxicological information

Acute toxicity	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	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	No data available

SECTION 12: Ecological information

Toxicity	
Toxicity to fish	May cause long lasting harmful effects to aquatic life
Persistence and degradability	No data available
Bio accumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Endocrine disrupting properties	No data available
Other adverse effects	No data available

SECTION 13: Disposal considerations

Waste treatment methods products	Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse container
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SECTION 14: Transport information

	UN no.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
ADR / RID	--	Not dangerous goods	--	--	No
IMDG	--	Not dangerous goods	--	--	No
IATA	--	Not dangerous goods	--	--	No

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The user must be determined suitability of this information for his application.