

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product Identifier**

Product format : Mixture
Product name : Thermostable Inorganic Pyrophosphatase

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

Identified uses : Laboratory Chemicals

Uses advised against

Restrictions on use : Use restricted to research purposes only

1.3. Details of the supplier of the safety data sheet**Supplier**

Cocoon Bioscience S.L.
Parque Científico y Tecnológico de Bizkaia, 802.
48160 Derio, Bizkaia
Spain
T 0034 608 454 632
support@cocoonbio.com

1.4. Emergency telephone number

Emergency telephone number : 0034 608 454 632
Monday to Friday, de 9:00 h a 17:00 h

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (UE) n° 1272/2008 [CLP]**

Not classified.

Adverse physicochemical, human health, and environmental effects

To our knowledge, the product poses no specific hazards if general industrial hygiene practices are followed.

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008 [CLP]**

Not applicable

2.3. Other hazards

This substance/mixture contains no components considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) $\geq 0.1\%$, as assessed in accordance with Annex XIII of REACH.

The mixture does not contain any substance(s) included in the list established in accordance with Article 59(1) of the REACH Regulation for their endocrine-disrupting properties, nor any substance(s) identified as having endocrine-disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

This mixture contains no substances to be mentioned according to the criteria in section 3.2 of Annex II of the REACH Regulation.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General first aid measures:	: First aid responders: Ensure your own safety. Do not give anything by mouth to an unconscious person. Perform artificial respiration if necessary. Use a pocket mask equipped with a one-way valve or other suitable respiratory medical device—do not perform mouth-to-mouth resuscitation. Seek medical advice if unwell.
In case of inhalation	: Move the individual into an area with fresh air and position them to facilitate breathing. Seek medical advice in case of discomfort.
In case of skin contact	: Remove affected clothing and wash exposed skin with mild soap and water; then rinse with warm water. In case of skin irritation: Seek medical advice. Wash contaminated clothing before reuse.
In case of eye contact	: Rinse eyes with water as a precaution. If eye irritation persists: Consult a physician.
If swallowed	: Rinse mouth with water. DO NOT induce vomiting. If vomiting occurs, keep the head low so that vomit does not enter the lungs. Call a poison control center or physician in case of discomfort.
First aid measures for first responders	: First aid responders should wear appropriate personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation:	: Not considered hazardous under normal conditions of use.
Symptoms/effects after skin contact:	: Not considered particularly dangerous through skin contact under normal use conditions.
Symptoms/effects after eye contact:	: Not considered particularly dangerous to the eyes under normal use conditions.
Symptoms/effects after ingestion:	: Not considered particularly dangerous if swallowed under normal use conditions.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical agents, CO ₂ , alcohol-resistant foam or water mist.
Unsuitable extinguishing media	: Do not use high-pressure water streams.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Hazardous decomposition products in case of fire	: Possible emission of toxic fumes. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Suitable extinguishing media	: Extinguish the fire from a safe distance and protected location. Do not enter the fire area without proper protective equipment, including respiratory protection. Remove containers from the fire area if it can be done safely. Use appropriate means to extinguish surrounding fires. Prevent fire extinguishing water from contaminating the environment.
Protective equipment and precautions for firefighters	: Do not intervene without appropriate protective equipment. Use self-contained breathing apparatus and full protective clothing.

SECTION 6: Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedures

Protective equipment	: Wear the recommended personal protective equipment.
Emergency procedures	: Evacuate the danger area. If outdoors, move upwind of the hazard zone. If possible without personal risk, eliminate potential ignition sources and ventilate the area. Prevent non-emergency personnel from entering the hazard zone.

For non-emergency personnel

Protective equipment	: Use the recommended personal protective equipment.
Emergency procedures	: Evacuate unnecessary personnel. Ventilate the spill area. Stop the leak if it can be done safely. Eliminate all ignition sources.

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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

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| For containment | : Stop the leak if this can be done without risk. Contain all spills with dikes or absorbent materials to prevent movement and entry into sewers or waterways. Absorb all spilled material with sand or soil. |
| For cleaning up | : Collect with a non-combustible inert absorbent material and place in a suitable container for disposal. Decontaminate surfaces and equipment with water and detergent. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations. |

6.4. Reference to other sections

For more information, see Section 8: "Exposure controls/personal protection." For more information, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Additional dangers during treatment | : Not considered hazardous under normal conditions of use. |
| Precautions for safe handling | : Ensure good ventilation at the workplace. Wear personal protective equipment. Avoid contact with skin, eyes, and clothing. Avoid breathing mist, aerosol, or vapors. Take precautions against electrostatic discharges. |
| Advice on general occupational hygiene | : Wash hands after handling. Wash contaminated clothing before reuse. |

7.2. Conditions for safe storage, including any incompatibilities

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| Technical measureS | : Comply with current regulations. |
| Storage conditions | : Store in a cool, dry, well-ventilated area, away from incompatible substances. Keep containers tightly closed and upright to prevent spills. Keep containers closed when not in use. |
| Incompatible products | : Strong acids. Strong bases. Strong oxidizers. |
| Storage temperature | : -20 °C |
| Packaging material | : Always keep the product in a container of the same type as the original container. |

7.3. Specific end use(s)

Laboratory Chemicals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

The workstation must be well ventilated.

Personal protective equipment

Personal protective equipment:

Personal Protective Equipment should be chosen in accordance with national regulations and in consultation with the supplier of the protective equipment.

Wear the recommended Personal Protective Equipment.

Eye/face protection:

Eye protection:

Safety goggles with side shields.

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Skin protection:

Skin/body protection:

Skin/body protection should be chosen depending on the activity and potential exposure. Body protection may include: lab coat, chemical resistant apron.

Hand protection:

Chemical resistant gloves (according to European standard ISO 374-1 or equivalent). The following materials are suitable for protective gloves: Neoprene/natural rubber, Polyvinyl Chloride (PVC) and Butyl rubber.

Respiratory protection:

Respiratory protection:

It is not necessary to wear a respirator under normal conditions of use of this product. In case of insufficient ventilation, use a suitable respiratory device.

Environmental exposure controls

Environmental exposure controls:

Avoid releasing into the environment. Take measures to reduce or limit emissions to the air and releases to soil and aquatic environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical stage	: Liquid
Color	: Mild
Appearance	: Colorless. Liquid
Odour	: No data available
Odour threshold	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flammability	: Not applicable
Upper flammability limit	: No data available
Lower flammability limit	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
pH	: No data available
Kinematic viscosity	: No data available
Solubility	: No data available
n-octanol-water partition coefficient (Log Kow)	: No data available
Vapor pressure	: No data available
Vapor pressure at 50°C	: No data available
Density	: No data available
Relative density	: No data available
Relative vapour density at 20°C	: No data available
Particle characteristics	: Not applicable

9.2. Other information

No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity

The product is not reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is chemically stable under standard ambient conditions.

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10.3. Possibility of hazardous reactions

No known hazardous reactions occur under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Incompatible materials.

10.5. Incompatible materials

Strong acids, strong bases and strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition generates: Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity estimate oral	: Not classified
Acute toxicity estimate dermal	: Not classified
Acute toxicity estimate inhalation	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/eye irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (STOT) – single exposure	: Not classified
Specific target organ toxicity (STOT) – repeated exposure	: Not classified
Aspiration hazard	: Not classified

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: This product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Short-term (acute) danger to the aquatic environment	: Not classified
Long-term (chronic) hazard to the aquatic environment	: Not classified

12.2. Persistence and degradability

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Persistence and degradability	No data available
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No data available
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12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disruptive properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulations	: Dispose of in accordance with official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with recycling instructions provided by the authorized waste collector.
Recommendations for wastewater disposal	: Dispose of in accordance with official regulations.
Recommendations for disposal of products/packages	: Dispose of in accordance with official regulations. It is recommended to consult all applicable international, national, or local regulations.
Additional information	: Do not reuse empty containers.
Information on ecological waste	: Avoid release into the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not classified as a dangerous good under transport regulations				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No additional information available				

14.6. Special precautions for user

Land transport

Not regulated

Maritime transport

Not regulated

Air transport

Not regulated

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Inland waterway transport
Not regulated

Rail Transport
Not regulated

14.7. Bulk shipping under IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU Legislation

Annex XVII of REACH (List of Restrictions)

Does not contain any substance listed in Annex XVII of REACH (Restriction Conditions)

Annex XIV of REACH (Authorisation List)

Does not contain any substance listed in Annex XIV of REACH (Authorisation List)

REACH Candidate List of Substances of Very High Concern (SVHC)

Does not contain any substance listed in the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Does not contain any substance listed in the PIC Regulation (EU Regulation 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Does not contain any substance listed in the POP Regulation (EU Regulation 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Does not contain any substance listed in the Ozone Depleting Substances Regulation (EU Regulation 2024/590 on substances that deplete the ozone layer)

Council Regulation on the control of dual-use items

Does not contain any substances subject to the COUNCIL REGULATION (EC) on the control of dual-use

Explosives Precursors Regulation (EU 2019/1148)

Does not contain any substance listed in the explosives precursors list (EU Regulation 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Does not contain any substance listed in the drug precursors list (EC Regulation 273/2004 on the manufacture and placing on the market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No Chemical Safety Assessment has been performed.

SECTION 16: Other information

Abbreviations and Acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS No.	Chemical Abstracts Service Number
CLP	Regulation (CE) No 1272/2008 on Classification, Labelling and Packaging
IMDG	International Maritime Dangerous Goods Code
Log Kow	n-Octanol/Water Partition Coefficient (Log Kow)

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Abbreviations and Acronyms:	
Log Pow	n-Octanol/Water Partition Coefficient (Log Pow)
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class
SDS	Safety data sheet
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH	Regulation (CE) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
PBT	Persistent, Bioaccumulative and Toxic Substance
IMO	International Maritime Organization

The classification complies with : ATP 12

This information is based on our present knowledge and is intended to describe the product for the protection of health, safety and the environment. Therefore, it should not be construed as a guarantee of any specific product feature.