



# SAFETY DATA SHEET

According to JIS Z 7253:2019 **Revision date** 11-Jul-2023 Revision Number 1

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	roduct Name Achromopeptidase®, Purified, Lytic Enzyme (TBL-1)				-1)	
Product Code	019-2	019-28531,015-28533				
Supplier Emergency telephone n	1-2 Do Phone: Fax: +8	FUJIFILM Wako Pure Chemical Corporation 1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan Phone: +81-6-6203-3741 Fax: +81-6-6203-2029 +81-6-6203-3741 / +81-3-3270-8571				
Recommended uses Restrictions on use	For res	earch use only xpert judgment when		other than those re	commended.	
	Sectio	n 2: HAZARDS	IDENTIFICAT	ION		
GHS classification <u>Classification of the substance or mixture</u> Serious eye damage/eye irritation			Category 2B			
Pictograms Signal word	Warnin	g				
Hazard statements H320 - Causes eye in	ritation					
Precautionary statemen • Wash face, hands a Precautionary statemen • IF IN EYES: Rinse of rinsing • If eye irritation persis Precautionary statemen • Not applicable	nd any exposed skir i <b>ts-(Response)</b> cautiously with water sts: Get medical adv	for several minutes.	C C	nses, if present and	easy to do. Continue	
Not applicable     Precautionary statemen     Not applicable	ts-(Disposal)					
Others Other hazards	Not ava	ailable				
Sec	ction 3: COMP	OSITION/INFO	RMATION ON	INGREDIENT	S	
Single Substance or Mi	<b>xture</b> Mixture	)				
Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN	
Achromopeptidase, Purified, Lytic Enzyme (TBL-1)	>65	N/A	N/A	N/A	N/A-01-2853-1	
Disodium Hydrogen	<28	358.14	(1)-497	*	10039-32-4	

Phosphate 12-Water Potassium Dihydrogen

phosphate

>7

136.09

(1)-452

7778-77-0

#### Note on ISHL No.:

\* in the table means announced chemical substances.

Impurities and/or Additives: Source

Not applicable Lysobacter enzymogenes

### Section 4: FIRST AID MEASURES

#### Inhalation

Remove to fresh air. If symptoms persist, call a physician.

#### Skin contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

#### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

#### Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

#### Protection of first-aiders

Use personal protective equipment as required.

### Section 5: FIRE FIGHTING MEASURES

#### Suitable extinguishing media

Water spray (fog), Carbon dioxide (CO2), Foam, Extinguishing powder, Sand

Unsuitable extinguishing media

### No information available

Specific hazards arising from the chemical product

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### Special extinguishing method

#### No information available Special protective actions for

#### fire-fighters

Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

### Section 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

#### **Environmental precautions**

To be careful not discharged to the environment without being properly handled waste water contaminated.

Methods and materials for contaminent and methods and materials for cleaning up

Sweep up and gather scattered particles, and collect it in an empty airtight container.

Recoverly, neutralization No information available

### Secondary disaster prevention measures

Clean contaminated objects and areas thoroughly observing environmental regulations.

### Section 7: HANDLING AND STORAGE

#### Handling

#### Technical measures

Avoid contact with strong oxidizing agents. Use with local exhaust ventilation. **Precautions** 

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging. Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle. In places other than those specified, should not be smoking or eating and drinking. Should not be brought contaminated protective equipment and gloves to rest stops. Deny unnecessary entry of non-emergency personnel to the handling area.

#### Safety handling precautions

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Storage

Safe storage conditions

Storage conditions Safe packaging material Incompatible substances Store away from sunlight in a cool (2-10 °C) well-ventilated dry place. vial Strong oxidizing agents

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Engineering controls**

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and handand eye-wash facility. And display their position clearly.

#### **Exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Personal protective equipment Respiratory protection Hand protection Eye protection Skin and body protection General hygiene considerations

ction Long-sleeved work clothes

chemical protective gloves (JIS T 8116)

Dust mask (JIS T 8151)

Handle in accordance with good industrial hygiene and safety practice.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

protective eyeglasses or chemical safety goggles

#### Form

white
crystals - powder
no data available
no data available
Tris - HCI buffer : soluble .
no data available

### Section 10: STABILITY AND REACTIVITY

Stability

 Reactivity
 no data available

 Chemical stability
 Stable under recommended storage conditions.

 Hazardous reactions
 None under normal processing

 Conditions to avoid
 Extremes of temperature and direct sunlight

 Incompatible materials
 Strong oxidizing agents

#### Hazardous decomposition products

Carbon monooxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx), Phosphorus oxide

### Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Skin irritation/corrosion
Serious eye damage/ irritation
Respiratory or skin sensitization
Reproductive cell mutagenicity
Carcinogenicity

Reproductive toxicity STOT-single exposure STOT-repeated exposure Aspiration hazard no data available no data available no data available no data available no data available

no data available no data available no data available no data available

### Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

No information available

Other data

no data available

Persistence and degradability Bioaccumulative potential Mobility in soil Hazard to the ozone layer No information available No information available No information available No information available

### Section 13: DISPOSAL CONSIDERATIONS

Waste from residues

Disposal should be in accordance with applicable regional, national and local laws and regulations. Contaminated container and contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Section 14: TRANSPORT INFORMATION

ADR/RID Not regulated UN number -Proper shipping name: UN classfication Subsidiary hazard class Packing group Marine pollutant Not applicable

IMDG UN number	Not regulated
Proper shipping name: UN classfication	
Subsidiary hazard class Packing group	
Marine pollutant (Sea) Transport in bulk according to	Not applicable
Annex II of MARPOL 73/78 and the IBC Code	
IATA	Not regulated
UN number Proper shipping name:	-
UN classfication Subsidiary hazard class	
Packing group Environmentally Hazardous Substance	Not applicable

### Section 15: REGULATORY INFORMATION

Japanese regulations	
Fire Service Act	Not applicable
Poisonous and Deleterious	Not applicable
Substances Control Law	
Industrial Safety and Health Act	tNot applicable
Regulations for the carriage	Not applicable
and storage of dangerous	
goods in ship	
Civil Aeronautics Law	Not applicable
Pollutant Release and Transfer	Not applicable
Register Law	
(2023.4.1-)	
Export Trade Control Order	Not applicable
-	

### Section 16: OTHER INFORMATION

Key literature references and sources for data etc.	NITE: National Institute of Technology and Evaluation (JAPAN) http://www.safe.nite.go.jp/japan/db.html IATA dangerous Goods Regulations RTECS:Registry of Toxic Effects of Chemical Substances Japan Industrial Safety and Health Association GHS Model SDS Dictionary of Synthetic Oraganic Chemistry, SSOCJ, Koudansha Scientific Co.Ltd. Chemical Dictionary, Kyouritsu Publishing Co., Ltd.
	etc

#### Disclaimer

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This SDS is according to JIS Z 7253: 2019. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GHS Classification is according to JIS Z 7252:2019. \*JIS: Japanese Industrial Standards

End of Safety Data Sheet