

## MATERIAL SAFETY DATA SHEET

**Product name:**

FFPE FISH Pretreatment kit2

**Catalog number:**

KA2376

**1. Composition/Information on Ingredients**

Component	Size
10x Paraffin Pretreatment Solution	500 ml
Protease (Pepsin)	0.5 ml x 10 vials

**2. Hazards Identification**

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
Citric Acid Hydrate:	5949-29-1	
1x Paraffin Pretreatment Solution		5 - 10%

**3. First Aid Measures**

First aid personnel should ensure self-protection.

General informations: When the accident happens or it is unpleasant, the evaluation by a doctor is received at once. The rescuer wears the protective equipment like the rubber glove and the sealing up goggle, etc.

In case of skin contact: Immediately wash skin with sopious amounts of water.

In case of eye contact: Rinse under the stream while opened one's eyes for several minutes, and receive the evaluation by a doctor.

In case of ingestion: Receive the evaluation by a doctor when the symptom continues.

In case of inhalation: Receive the evaluation by a doctor when fresh air is supplied, and the symptom is seen.

**4. Fire Fighting Measures**

Extinguishing media: Fogged bubble, alcohol-proof of bubble, powdery carbon dioxide, dryness sand. Prevent contact with skin and eyes.

**5. Accidental Release Measures**

Use appropriate protective equipment and methods to clean up spilled substances promptly. Collect and dispose of all waste in accordance with applicable laws. Spilled material should be carefully wiped up with water and removed.

**6. Handling and Storage**

#### Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

#### Storage

Keep container tightly closed in a dry and well-ventilated place. It avoids direct sunlight, it stops closely, and it keeps it in the cool dark.

### **7. Exposure controls/personal protection**

Safety shower and eye bath, mechanical exhaust required. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Avoid inhalation. Avoid contact with eyes, skin and clothing. Store as indicated on product label. Avoid prolonged or repeated exposure.

SPECIAL PROTECTIVE EQUIPMENT: Wear suitable protective clothing, including gloves, safety glasses, dust mask, and a laboratory coat.

SPECIAL PRECAUTIONS: Not for human or drug use. Not for household use.

### **8. Physical and Chemical Properties**

Colorless crystal, scentless.

Melting point/freezing point 135-153°C.

Specific gravity (relative density) 1.247 g/cm<sup>3</sup> (20°C).

Dissolubility To water: The miscibility is not or is low.

### **9. Stability and Reactivity**

Stability and Reactivity: The product is stable.

Conditions to avoid: Contact with the oxidant.

Materials to avoid: Contact of sunlight, heat, and hazardous material.

Hazardous decomposition products: N/A

### **10. Toxicological Information**

Irritability: N/A

Mutagenicity: N/A

Reproduction toxicity: N/A

Other toxic effects on humans:

The vigorous stimulation is shown, and there is danger that causes eyes serious damage. A strong causticity is shown in the mouth and the throat by swallowing, and the danger of the gullet and the perforation of stomach is beckoned.

**11. Ecological information**

Do not allow product to reach ground water, water course, or sewage system.

**12. Disposal guidelines**

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide buildup in drains.

**13. Transport information**

International restriction

Land ADR (agreement of European dangerous article over-the-road hauling): It doesn't correspond.

Land RID (European dangerous article railway transportation rule): There is no limitation in transportation.

Sea IMDG (international sea dangerous article rule): It doesn't correspond.

Seawater pollution material: Non-correspondence

Airlines ICAO-TI (Convention on International Civil Aviation technological indicator): It doesn't correspond.

Airlines IATA-DGR (International Air Transport Association dangerous article rule): There is no limitation in transportation.

The United Nations classification: It doesn't correspond.

The United Nations number: It doesn't correspond.

**14. Regulatory information**

Observe the general safety regulations when handling chemicals. No single component contains a hazardous ingredient in an amount that requires identification and labelling.

**15. Other**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Abnova shall not be held liable for any damage resulting from handling or from contact with the above product.