# MATERIAL SAFETY DATA SHEET

**Revision Number:** 3
**Revision Date:** Sept, 2025

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Information**

| | |
|---|---|
| Product name: | Phospho-mTOR (Ser2448) Rabbit Monoclonal Antibody |
| Catalog Number: | AMRe02286 |
| Application: | For research use only |

**Company Information**

**Tel:**
0086-27-87002838
**Email:**
techsupport@enkilife.com

**For research use only. Not for diagnostic use.**

## SECTION2 HAZARDS IDENTIFICATION

### Hazards Identification:

No hazards are applicable or no data available.

## SECTION 3 INFORMATION ON INGREDIENTS

The product does not contain any known hazard ingredient. We recommend handling all chemicals with caution.

## SECTION 4 FIRST-AID MEASURES

### Skin Exposure:

In case of contact, immediately wash skin with soap and copious amounts of water. Irritation persists, call a physician.

### Eye Exposure:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

### Inhalation Exposure:

If inhaled, remove to fresh air. If necessary, get medical attention.

### Oral Exposure:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Call a physician.

## SECTION 5 FIRE FIGHTING MEASURES

### Extinguishing Media:

Suitable: Water spray, Dry chemical, Carbon dioxide or appropriate foam.

### Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## SECTION 6 ADDIDENTAL RELEASE MEASURES

### Procedure of Personal Precaution:

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

### Methods for Cleaning up:

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

### Environmental precautions:

Do not let product enter drains.

## SECTION 7 HANDLING AND STORAGE

### Handling:

Wear appropriate protective clothing and safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents. No smoking at working site.

### Storage:

Store at -20°C for 12 months. Keep away from heat, sparks, and flame. Keep away from sources of ignition.

### Incompatible:

Strong bases, Strong oxidizing agents, Strong acids.

## SECTION 8 EXPOSURE CONTROL/PPE

### Engineering Controls:

Mechanical exhaust required. Safety shower and eye bath.

### Personal Protective Equipment:

Respiratory: Government approved respirator if needed.

Eye: Chemical safety goggles if needed.

Clothing: Wear appropriate protective clothing.

Hand: Protective gloves.

### Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

## SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance:** | Liquid |
| **Flash Point(Closed Cup) /℃ :** | No data available |
| **Initial Boiling Point/℃:** | No data available |
| **pH Value:** | 7.4 |
| **Solubility:** | Not Applicable |

## SECTION 10 STABILITY AND REACTIVITY

### Stability:

Store at -20°C for 12 months. Avoid freeze/thaw cycles.

### Materials to Avoid:

Strong oxidizing agents.

### Hazardous Polymerization:

Will not occur.

### Hazardous Decomposition Products:

Carbon oxides, Sodium oxides, Phosphorous oxides, Potassium oxides.

## SECTION 11 TOXICOLOGICAL INFORMATION

### Acute toxicity:

There is no evidence available indicating acute toxicity.

### Skin corrosion/irritation:

No data available.

### Serious eye damage/irritation:

No data available.

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity:

Contains no substances known to be hazardous to the environment.

## Persistence and degradability:

No data available.

## Bioaccumulative potential:

No data available.

## Mobility in soil:

No data available.

## SECTION 13 DISPOSAL CONSIDERATION

## Appropriate Method of Disposal of Substance:

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

## SECTION 14 TRANSPORT INFORMATION

| | |
|---|---|
| **RID/ADR:** | Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport |
| **IATA:** | Non-Hazardous for Air Transport. |
| **IMO:** | Non-Hazardous for Sea Transport. |

## SECTION 15 REGULATORY INFORMATION

## Regulation (EC) No.1272/2008 and its amendments:

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

## SECTION 16 OTHER INFORMATION

## Disclaimer:

Not for human use.

## Note to reader:

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 asa guidance for safe handling, use, processing, storage, transportation, disposal and release 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.