

# Safety Data Sheet

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Version 3

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Rabbit polyclonal to L-Kynurenine Hydrolase

**Recommended use** For research use only

**Supplier Address** Abcam Inc  
1 Kendall Square, Ste 341  
Cambridge, MA 02139-1517  
USA  
Tel: (617)225-2272 or 888-77-ABCAM (22226) (US toll free)  
Fax: (866) 739-9884 or (866) 457-9616 (both US toll free)

**E-mail address** technical@abcam.com

**Emergency telephone** +1 866 928 0789 (Toll free) /+1 202 464 2554

## 2. HAZARDS IDENTIFICATION

### GHS - Classification

|       |                |
|-------|----------------|
| Ozone | Not applicable |
|-------|----------------|

### GHS Label elements, including precautionary statements

Not dangerous

### **Precautionary Statements - EU (§28, 1272/2008)**

P280 - Wear protective gloves/ protective clothing

### Other information

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

| Chemical Name                  | CAS-No     | Weight % | Classification (Reg. 1272/2008)  |
|--------------------------------|------------|----------|--|
| Glycerol (glycerin, glycerine) | 56-81-5    | 30-60    | -  |
| CMIT/MIT 3:1                   | 55965-84-9 | <0.1     | Skin Corr. 1C (H314)<br>Eye Dam. 1 (H318)<br>Skin Sens. 1A (H317)<br>Acute Tox. 3 (H301)<br>Acute Tox. 1 (H310)<br>Acute Tox. 2 (H330)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410) |

For the full text of the H-Statements mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>General advice</b>             | If symptoms persist, call a physician. Immediate medical attention is required.  |
| <b>Eye contact</b>                | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediate medical attention is required. If symptoms persist, call a physician.   |
| <b>Skin contact</b>               | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Immediate medical attention is required. May cause an allergic skin reaction. |
| <b>Inhalation</b>                 | Move to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is required. If symptoms persist, call a physician.                                       |
| <b>Ingestion</b>                  | Rinse mouth. Do NOT induce vomiting. Immediate medical attention is required. If symptoms persist, call a physician.   |
| <b>Notes to physician</b>         | Treat symptomatically. May cause sensitization of susceptible persons.   |
| <b>Protection of first-aiders</b> | Use personal protective equipment. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.  |

### 5. FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Flammable properties</b>                       | Not flammable.   |
| <b>Flash point</b>                                | not determined   |
| <b>Suitable extinguishing media</b>               | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  |
| <b>Explosion Data</b>                             |  |
| <b>Sensitivity to Mechanical Impact</b>           | None.  |
| <b>Sensitivity to Static Discharge</b>            | None.  |
| <b>Specific hazards arising from the chemical</b> | Thermal decomposition can lead to release of irritating gases and vapors In the event of fire and/or explosion do not breathe fumes May cause sensitization by inhalation and skin contact |

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Use personal protective equipment. Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Try to prevent the material from entering drains or water courses.

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Soak up with inert absorbent material. Dam up.

## 7. HANDLING AND STORAGE

**Advice on safe handling** Wear personal protective equipment. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation.

**Technical measures/Storage conditions** Keep out of the reach of children. Keep container tightly closed in a dry and well-ventilated place. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical Name                             | ACGIH TLV                      | OSHA PEL  | NIOSH IDLH |
|---|--------------------------------|---|------------|
| Glycerol (glycerin, glycerine)<br>56-81-5 | TWA: 10 mg/m <sup>3</sup> mist | TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction |            |

**Engineering measures** Showers  
Eyewash stations  
Ventilation systems

### Personal protective equipment

**Eye/face protection**

Tightly fitting safety goggles. Face-shield.

**Skin and body protection**

Long sleeved clothing. Protective gloves.

**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.

### Hygiene measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                  |                               |                                    |                           |
|----------------------------------|-------------------------------|------------------------------------|---------------------------|
| <b>Appearance</b>                | No information available.     | <b>Odor</b>                        | No information available. |
| <b>Odor Threshold</b>            | No information available      | <b>Physical State @20°C</b>        | Liquid                    |
| <b>pH</b>                        | No information available 7.40 | <b>Autoignition temperature</b>    | No information available  |
| <b>Flash point</b>               | No information available      | <b>Boiling point/boiling range</b> | No information available  |
| <b>Decomposition temperature</b> | No information available      | <b>Flammability Limits in Air</b>  | No information available  |
| <b>Melting point/range</b>       | No information available      | <b>solubility</b>                  | No information available. |
| <b>Explosion limits</b>          | No information available      | <b>Vapor Pressure @20°C (kPa)</b>  | No information available  |
| <b>Specific Gravity</b>          | No data available             | <b>VOC Content(%)</b>              | Not applicable            |
| <b>Evaporation rate</b>          | No information available      |                                    |                           |
| <b>Vapor density</b>             | No data available             |                                    |                           |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Stability</b>                        | Stable under recommended storage conditions. |
| <b>Incompatible products</b>            | None known based on information supplied.    |
| <b>Conditions to avoid</b>              | None known based on information supplied.    |
| <b>Hazardous decomposition products</b> | None known based on information supplied.    |
| <b>Hazardous polymerization</b>         | Hazardous polymerization does not occur.     |

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information

| Chemical Name                  | LD50 Oral          | LD50 Dermal            | LC50 Inhalation |
|--------------------------------|--------------------|------------------------|-----------------|
| Glycerol (glycerin, glycerine) | Rat - 12,600 mg/kg | Rabbit - >10,000 mg/kg |                 |
| CMIT/MIT 3:1                   | 53 mg/kg ( Rat )   |                        |                 |

### Chronic toxicity

**Target Organ Effects** None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

| Chemical Name                  | Toxicity to algae | Toxicity to fish                                   | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|--------------------------------|-------------------|--|----------------------------|---|
| Glycerol (glycerin, glycerine) |                   | 51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static |                            | 500: 24 h Daphnia magna mg/L EC50                   |
| <b>Chemical Name</b>           |                   |  | <b>log Pow</b>             |   |
| Glycerol (glycerin, glycerine) |                   |  | 0                          |   |

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods** Dispose of in accordance with federal, state, and local regulations.

**Contaminated packaging** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT** Not dangerous goods

**IATA** Not dangerous goods

**ADR** Not dangerous goods

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | yes |
| <b>Chronic Health Hazard</b>             | no  |
| <b>Fire Hazard</b>                       | no  |
| <b>Sudden Release of Pressure Hazard</b> | no  |
| <b>Reactive Hazard</b>                   | no  |

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

**International Regulations**

| Chemical Name                  | Carcinogen Status | Exposure limits                  |
|--------------------------------|-------------------|----------------------------------|
| Glycerol (glycerin, glycerine) |                   | Mexico: TWA 10 mg/m <sup>3</sup> |

**WHMIS Note:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

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**16. OTHER INFORMATION****Full text of H-Statements referred to under sections 2 and 3**

H301 - Toxic if swallowed H310 + H330 - Fatal in contact with skin or if inhaled H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage H317 - May cause an allergic skin reaction H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects

**Revision Date** 14-Oct-2020  
**Revision Note** No information available.

**Disclaimer**

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, 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.

**End of MSDS**