

SAFETY DATA SHEET

ROR1 Polyclonal Antibody
Catalog # A71224

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: ROR1 Polyclonal Antibody, Cat# A71224
Recommended use of the chemical and restrictions on use:
For research use only. Not for use in diagnostic procedures.

Manufacturer supplier: **EpigenTek Group Inc**
110 Bi County Blvd. Ste 122
Farmingdale, NY 11735 USA
Phone: 1-631-755-0888
Fax: 1-718-484-3956

Emergency phone: In case of emergency, call PERS (Professional Emergency Resource Services).

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This product is composed of antibodies in aqueous buffer solution. May contain glycerol. According to 29 CFR 1910.1200(d), hazardous ingredients at less than <1% and carcinogens at less than < 0.1% are considered non-hazardous. Hazardous or carcinogenic ingredients are listed below.

Ingredient	CAS#	Weight percent
SODIUM AZIDE	26628-22-8	0.01 - 0.1%
GLYCEROL	56-81-5	Up to 50%

Check product data sheet to verify the formula ingredients.

SECTION 3: HAZARDS IDENTIFICATION

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

GHS - Classification

Health hazards: Not classified.
Physical hazards: Not classified.
Environmental hazards: Not classified.

Label elements

Signal word: None.
Hazard pictograms: None.
Hazard statements: Not applicable.

Precautionary statements

Prevention: Not applicable.
Response: Not applicable.
Storage: Not applicable.
Disposal: Not applicable.
Other hazards: Not applicable.

SECTION 4: FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, get medical attention.
Ingestion: If swallowed and person is conscious, rinse out mouth with water. Get medical attention.
Skin exposure: In case of contact, wash skin with soap and water.
Eye exposure: In case of contact with eyes, immediately flush eyes with water for at least 15 minutes. Get medical attention.

Notes to physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed:
Not applicable.

SECTION 5: FIRE FIGHTING MEASURES

Flammable properties: May cause fire.
Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical: Keep product and empty container away from heat and sources of ignition.
Special extinguishing media: Cool drums with water spray.
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Ensure adequate ventilation.
Always wear recommended Personal Protective Equipment Use personal protection equipment.
See Section 8 for more detail.
Environmental precautions: No special environmental precautions required.
Methods for containment and cleaning up: Soak up with inert absorbent material.
See section 8 for more information.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Use personal protective equipment as required. No special handling advices are necessary.
Conditions for safe storage, including any incompatibilities:
Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.
Safe handling: Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.
Storage: Store in tightly closed container at -20°C or at -80°C for long term storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.
Other information: These recommendations apply to the product as supplied.
Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory protection: None under normal use conditions.
Engineering controls: Maintain adequate ventilation, eye wash and quick-drench facilities in work area.
Personal protective equipment: Lab coat, chemical resistant gloves and chemical safety glasses.
Occupational exposure limits: Data not available.

Hygiene measures: When using, do not eat, drink or smoke, Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance	Liquid
Odor	No data available
Melting point / melting range	No data available
Boiling point / boiling range	No data available
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limits	No data available
Lower explosion limits	No data available
Vapor pressure	No data available
Relative density	No data available
Specific gravity	No data available
Solubility: SODIUM AZIDE	No data available
Solubility: GLYCEROL	Soluble
Partition coefficient: n-octanol/water	No data available
Explosive properties	No data available
OTHER INFORMATION	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity-Glycerol: Mildly corrosive to aluminum.
Reactivity-Sodium azide: Moderately corrosive to copper and lead.
Stability: Stable under normal conditions.
Hazardous reactions: None under normal processing.
Conditions to avoid: None known based on information supplied.
Hazardous decomposition products: None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
SODIUM AZIDE	= 27 mg/kg (Rat)	No data available	No data available
GLYCEROL*	No data available	No data available	No data available

Principal routes of exposure potential health effects

Irritation: Conclusive but not sufficient for classification.
Corrosivity: Conclusive but not sufficient for classification.
Sensitisation: Conclusive but not sufficient for classification.
Specific target organ toxicity (STOC) - Single exposure: Conclusive but not sufficient for classification.
STOC -Repeated exposure: Conclusive but not sufficient for classification.
Carcinogenicity: Conclusive but not sufficient for classification.
Mutagenicity: Conclusive but not sufficient for classification.
Reproductive toxicity: Conclusive but not sufficient for classification.
Aspiration hazard: Conclusive but not sufficient for classification**Prolonged exposure may cause nausea, headache, and vomiting.*

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: The environmental impact of this product has not been fully investigated.
Persistence and degradability: No information available.
Bioaccumulative potential: No information available.
Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other adverse effects: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: TRANSPORT INFORMATION

IATA / ADR / DOT-US / IMDG: Not classified as dangerous in the meaning of transport regulations.
UN number Not applicable
UN proper shipping name Not applicable
Transport hazard class(es) Not applicable
Packing group Not applicable

Environmental hazards Not applicable

Special precautions for user Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

SECTION 15: REGULATORY INFORMATION

International Inventories: For research use only
TSCA
Legend: TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.

SECTION 16: OTHER INFORMATION

For research use only, not for diagnostic or therapeutic use. No other use is intended, and any other use may involve substantive hazards.

Disclaimer:

The above information is believed to be correct but only used as a guide for experienced personnel. EpigenTek shall not be liable for any damage resulting from the handling or from contact with the above product.