



7040 Virginia Manor Road
Beltsville, MD 20705, USA
Web: www.abpbio.com;
info@abpbio.com

Material Safety Data Sheet

Section 1 Product and Company Identification

Product number: FP312
Product name: TRIzol Reagent
Unit Size: 100 mL
Manufacturer/Supplier: ABP Biosciences Inc
7040 Virginia Manor Road, Beltsville, MD 20705, USA
Web: www.abpbio.com

Section 2 Hazardous Ingredients/Identity Information

Chemical Name	CAS-No	EINECS-No	Weight %
Phenol	108-95-2	203-632-7	10-70
Guanidine isothiocyanate	593-84-0	209-812-1	10-50
Ammonium thiocyanate	1762-95-4	217-175-6	5-30

Section 3 Physical and Chemical Properties

Form	Liquid
Appearance	No information available
Odor	No information available
Boiling point	No data available
Melting point	No data available
Flash point	No data available
Autoignition temperature	No data available
Oxidizing properties	No information available
Water solubility	Soluble

Section 4 Potential Health Hazard Effects

Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	none
Reproductive toxicity	none
Sensitization	none

Section 5 Stability and Reactivity Data

Stability	Stable under normal conditions.
Materials to avoid	No dangerous reaction known under conditions of normal use.
Hazardous decomposition	None under normal use.
Polymerization	Hazardous polymerization does not occur.



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Section 6 Toxicological and Ecological Information

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Phenol	317 mg/kg (Rat)	No data available	316 mg/m ³ (Rat)
Guanidine isothiocyanate	764 mg/kg	2000 mg/kg	5.319 mg/L (4H)
Ammonium thiocyanate	750 mg/kg (Rat)	No data available	No data available

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	Inherently biodegradable.
Bioaccumulation	Does not bioaccumulate.

Section 7 Handling and Storage

Handling	Always wear recommended Personal Protective Equipment. No special handling advice required.
Storage	Keep in a dry, cool and well-ventilated place.

Section 8 First Aid Measures

Skin contact	Rinse with plenty of water. If symptoms arise, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Section 9 Disposal Considerations

Dispose of in accordance with local regulations.

Section 10 Other Information

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

End of Material Safety Data Sheet