

## Safety Data Sheet

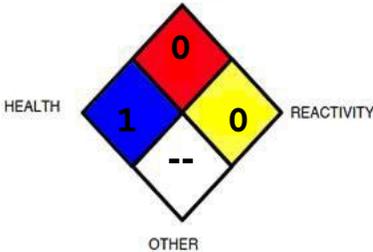
### Section 1: Product & Company Identification

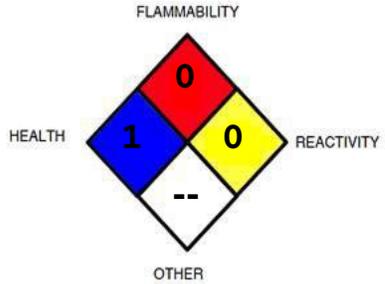
<b>Product Name:</b>	Turbo-TEV Protease
<b>Product #:</b>	T-1190
<b>Synonyms:</b>	rTEV, TEV, P1 protease
<b>Supplier:</b>	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
<b>Emergency Tele#:</b>	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

### Section 2: Composition / Information on Ingredients

Component	CAS#	EC #	% Composition
Glycerol	56-81-5	200-289-5	30-60
TRIS Base	77-86-1	201-064-4	0.5-1.5

### Section 3: Hazards Identification

<b>Symbols</b>	
<b>HMIS Classification</b>	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p>

<b>NFPA Classification</b>	
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## Section 4: First Aid Measures

<b>General Overview:</b>	Treat symptomatically.
<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.
<b>Skin:</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.
<b>Eyes:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
<b>Ingestion:</b>	Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
	See section 11 for more detailed information on health effects & symptoms.

## SECTION 5: Fire Fighting Measures

<b>Flammability of the product:</b>	No data available
<b>Extinguishing Media:</b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
<b>Hazardous thermal (de)composition products:</b>	No data available
<b>Special Fire Fighting Procedures:</b>	Wear self-contained breathing apparatus and protective suit.
<b>Flash Point:</b>	No data available

## Section 6: Accidental Release Measures

<b>Personal Precautions:</b>	Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Use personal protective equipment.
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<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for Clean-up:</b>	Soak up with inert absorbent material.

## SECTION 7: Handling & Storage

<b>Storage:</b>	Keep in a dry, cool, and well-ventilated place. Keep in properly labelled containers.
<b>Handling:</b>	Always wear recommended Personal Protective Equipment. No special handling advice required.

## SECTION 8: Exposure controls / Personal Protection

<b>Respiratory Protection:</b>	 <p>In case of insufficient ventilation wear suitable respiratory equipment.</p>
<b>Skin and Body:</b>	  <p>Impervious gloves. Lightweight protective clothing.</p>
<b>Eyes:</b>	 <p>Safety glasses with side-shields.</p>
<b>Ventilation/Engineering Measures:</b>	Prevent product from entering drains. Do not allow material to contaminate ground water system.

<b>Hygiene:</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Other:</b>	Exposure Limits Glycerol: OSHA PEL (15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> ), ACGIH OEL (10 mg/m <sup>3</sup> )

## SECTION 9: Physical and Chemical Properties

<b>Appearance &amp; Odor:</b>	Liquid solution
<b>Formula</b>	N/A
<b>Molecular Wt.</b>	N/A
<b>Melting Pt.</b>	No data available
<b>Boiling Pt.</b>	No data available
<b>Density:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Solubility:</b>	Soluble in water
<b>Flash Point:</b>	No data available
<b>Autoignition Temp:</b>	No data available

## SECTION 10: Stability and Reactivity

<b>Stability:</b>	Stable under normal conditions.
<b>Hazardous decomposition products:</b>	No data available
<b>Materials to Avoid:</b>	No data available
<b>Conditions to avoid:</b>	No data available

## SECTION 11: Toxicological Information

<b>RTECS#:</b>	N/A
<b>ACUTE Toxicity:</b>	Glycerol: LD50 Oral = 12,600 mg/kg (Rat) TRIS Base: LD50 Oral = 5,900 mg/kg (Rat)
<b>CHRONIC Toxicity:</b>	N/A
<b>Chronic Exposure:</b> <b>Carcinogen:</b> <b>Mutagen:</b> <b>Teratogen:</b> <b>Reproductive:</b>	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.

	<p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>
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## SECTION 12: Ecological Information

<b>Ecotoxicity:</b>	Glycerol: Water Flea ( <i>Daphnia magna</i> EC50>500 m/L 24h)
<b>Mobility:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Other adverse effects:</b>	No data available
<b>Corrosivity Characteristic:</b>	No data available
<b>General Notes:</b>	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## SECTION 13: Disposal Considerations

<b>Residue Waste or Unused product:</b>	Dispose of in accordance with local regulations.
<b>Contaminated Packaging:</b>	Dispose of as unused product.

## SECTION 14: Transportation Information

<b>UN ID#:</b>	N/A
<b>ADR / RID (LAND):</b>	Not regulated
<b>DOT regulations:</b>	Not regulated
<b>IMDG/IMO (SEA):</b>	Not regulated
<b>IATA/DGR (AIR):</b>	Not regulated
<b>Special Provisions:</b>	N/A

## SECTION 15: Regulatory Information

<b>Health Phrases:</b>	H316 Causes mild skin irritation
<b>Risk Phrases:</b>	P332+P313 If skin irritation occurs: Get medical advice/attention
<b>Safety Phrases:</b>	N/A
<b>EU Regulations:</b>	N/A
<b>US Regulations:</b>	TSCA: Glycerol (CAS 56-81-5), TRIS Base (CAS 77-86-1)

	<p>California Proposition 65: Not listed          Massachusetts State Right to Know: Glycerol (CAS 56-81-5)          Pennsylvania State Right to Know: Glycerol (CAS 56-81-5)          Rhode Island State Right to Know: Glycerol (CAS 56-81-5)</p>
<b>U.S. Federal Regulations:</b>	<p>SARA 302/304/311/312 extremely hazardous substances: No products were found          SARA 302/304 emergency planning and notification: No products were found.          SARA 302/304/311/312 hazardous chemicals: No products were found.          SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found.          SARA 313 toxic chemicals notification and release reporting: No products were found.</p> <p>Clean Water Act (CWA) 307: No products were found.          Clean Water Act (CWA) 311: No products were found.          Clean Air Act (CAA) 112 accidental release prevention: No products were found.          Clean Air Act (CAA) 112 regulated flammable substances: No products were found.          Clean Air Act (CAA) 112 regulated toxic substances: No products were found.          OSHA: No products were found.</p>
<b>WHMIS (Canada):</b>	D2B Toxic materials

## SECTION 16: Other Information

**LIABILITY STATEMENT:** *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*