

Bioland Scientific LLC

Material Safety Data Sheet

Version 1.0
Revision Date 13/06/2018
Print Date 13/06/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product name PowerScript™ Plus RTase (200 U/μl))

Product Number E11
Brand Bioland Scientific LLC

Company Bioland Scientific LLC
 14925 Paramount Blvd., Suite C
 Paramount, CA 90723
 USA

Telephone 1-562-377-2668
Fax 1-562-733-6008
Emergency Phone # 1-562-377-2668

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	EINECS-No	Weight %
Glycerol	56-81-5	200-289-5	30-60

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

3. HAZARDS IDENTIFICATION

GHS-Classification

Signal Word

Not Hazardous

Health Hazard

Not Hazardous

Physical Hazards

Not Hazardous

Principle Routes of Exposure/Potential Health 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.

Specific Effects

Carcinogenic Effects: None

Mutagenic Effects: None

Reproductive Toxicity: None

Sensitization: None

Target Organ Effects: No known effects under normal use conditions.

HMIS

Health	0
Flammability	0
Reactivity	0

Section 3 - Composition/Information on Ingredient

Chemical Name	CAS-No	EINECS-No	Weight %
Glycerol	56-81-5	200-289-5	30-60

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. FIRST AID MEASURES

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact

Wash off with soap and plenty of water. Consult a physician.

Inhalation

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

Ingestion

Rinse mouth with water. Consult a physician.

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for fire fighting if necessary.

Unusual Fire and Explosions Hazard(s)

N/A

Flash Point:

N/A

Autoignition Temp:

N/A

Flammability:

N/A

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of vapors. Wear disposable coveralls and discard them after use.

Methods for Cleaning-up

Soak up with inert absorbing materials and place in a closed container for disposal. Ventilate area and wash spill site after material pickup is complete.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. See Section 12 for additional information.

7. HANDLING AND STORAGE

Handling

Always wear recommended Personal Protective Equipment. No special handling required.

Storage

Keep cap tightly closed. Store at -20°C.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL	ACGIH OEL
Glycerol 56-81-5	15 mg/m3	-	-	-

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protective Equipment requirements are dependent of the user institution's risk assessment, and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory Protection: Wear Suitable respiratory equipment if ventilation is insufficient.

Hand: Compatible chemical-resistant gloves.

Eye: Compatible safety goggles.

Skin and body protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

Prevent product entering drains

9.PHYSICAL AND CHEMICAL PROPERTIES

General Physical Properties

Form	Liquid
Appearance	Colorless
Odor	Mild
Boiling Point/Range	oC no data available oF no data available
Melting Point/Range	oC no data available oF no data available
Flash Point	oC no data available oF no data available
Auto-ignition Temperature	oC no data available oF no data available
Oxidizing Properties	No information available
Solubility	No information available
pH Range	No information available

10.STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Materials to Avoid

No dangerous reaction known under normal conditions.

Hazardous Decomposition

Products None under normal conditions.

Hazardous Polymerization

Does not occur.

11.TOXICOLOGICAL INFORMATION

Acute Toxicity No information available

Chemical Name	LD (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Glycerol	= 12600 mg/kg Oral	No data available	No data available

Principle Route of Exposure/Potential Health Effects

Eye: 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

Mutagenic Effects: None

Reproductive Toxicity: None

Sensitization: None

Target Organ Effects: No known effects under normal use conditions.

12.ECOLOGICAL INFORMATION

Ecotoxicity Effects Daphnia magna (Water Flea).
Mobility see log Pow.
Biodegradation Inherently biodegradable.
Bioaccumulation Does not bioaccumulate.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	Log Pow
Glycerol 56-81-5	-	Daphnia magna EC50>500mg/L (24h)	-	-	logPow-1.76

13.DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14.TRANSPORTATION INFORMATION

IATA

Proper Shipping Name Not classified as dangerous under the transport regulations.

Hazard Class None

Subsidiary Class None

Packing Group None

Un-No None

15.REGULATORY INFORMATION

Component	TSCA
Glycerol 56-81-5 (30-60)	Listed

U.S. Federal Regulations

SARA 313

Not Regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs)

Contains no HAPs.

U.S. State Regulations

Chemical Name	Massachusetts-RTK	New Jersey-RTK	Pennsylvania-RTK	Illinois-RT	Rhode Island-RTK
Glycerol	Listed	-	Listed	-	Listed

California Proposition 65

Contains no chemical listed under Proposition 65.

Canadian Regulations

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 CPR.

WHMIS Hazard Class

Not controlled.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

16.OTHER INFORMATION

Disclaimer:

Bioland Scientific LLC provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. BIOLAND SCIENTIFIC LLC MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, BIOLAND SCIENTIFIC LLC WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.