

# Material Safety Data Sheet

#1674

U.S. Department of Labor

May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



## IDENTITY

Catalase 1ml, 5ml

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## Section I

Manufacturer's Name

Ward's Natural Science

Address (Number, Street, City, State, and ZIP Code)

5100 W. Henrietta Rd.

P.O. Box 92912

Rochester, NY 14692-9012

Emergency Telephone Number

800-424-9300 (CHEMTREC)

Telephone Number for Information

716-359-2502

Date Prepared

9/20/99

Signature of Preparer

*[Handwritten Signature]*

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%
Catalase CAS 90201-05-2	N/A	N/A	N/A	54.0
Glycerine CAS 56-81-5	N/A	N/A	N/A	30.0
Sorbitol CAS 50-70-4	N/A	N/A	N/A	16.0

## Section III - Physical/Chemical Characteristics

Boiling Point

>100°C (212°F)

Vapor Pressure (mm Hg)

N/A

Vapor Density (AIR = 1)

N/A

Solubility in Water

Readily Soluble

Appearance and Odor

Light green-brown liquid. Low Odor

Specific Gravity (H2O = 1)

Approx. 1.10-1.30

Melting Point

Not Listed

Evaporation rate

N/A

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

Non-flammable

Flammable Limits in air

% by volume

LEL

N/A

UEL

N/A

Extinguishing Media

Water, carbon dioxide, dry chemical

Special Firefighting Procedures

None known

Unusual Fire and Explosion Hazards

None Known

## Section V - Reactivity Data

Stability

Unstable

Conditions to Avoid

Stability decreased by sunlight, heat, and mixing.

Stable

X

Incompatibility (Materials to Avoid)

None known

Hazardous Decomposition or Byproducts

None known

Hazardous May Occur

Conditions to Avoid

Polymerization

N/A

Will Not Occur

X

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**Section VI - Health Hazard Data**

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Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	No	Yes	Yes
Health Hazards (Acute and Chronic)			
None established (ACGHH)			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
No	No	No	No
Signs and Symptoms of Exposure			
May cause irritation on contact with eyes and skin.			
Medical Conditions			
Generally aggravated by exposure.			
Emergency and First Aid Procedure			
Eyes:	Immediately flush with water, lifting lower and upper eyelids occasionally. If irritation develops or persists get medical attention.		
Skin:	Immediately flush skin with copious amounts of water. Then wash with soap and water.		
Ingestion:	If swallowed, if conscious, give one or two glasses of water to drink. Get medical attention immediately. Never give anything by mouth to an unconscious person.		

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**Section VII - Precautions for Safe Handling and Use**

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Steps to be Taken in Case Material is Released or Spilled  
Dilute with water and flush to sanitary sewer.

Waste Disposal Method  
Dispose of in sanitary sewer with copious amounts of water. Discharge may be subject to Federal, State and Local laws.

Precautions to be Taken in Handling and Storage  
Storage code-->Green(General) Store in a refrigerator. Wash thoroughly after handling. Keep container tightly closed when not in use.

Other Precautions:  
For lab use only. Not for drug, food, or cosmetic use. Keep out of reach of children.

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**Section VIII - Control Measures**

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Respiratory Protection (Specify Type)  
None needed in normal laboratory setting.

Ventilation	Local Exhaust	Special
	None needed	No
	Mechanical (General)	Other
	Recommended	No

Protective Gloves  
Rubber (butyl/nitrile) Gloves

Other Protective Clothing or Equipment  
Chemical safety goggles, lab coat, apron, eye wash station in close proximity, within 15 sec. walk of work station.

Work/Hygenic Practices  
Wear protective equipment. Wash hands with soap and water following the handling of this material.

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Use under direct supervision of a qualified individual knowledgeable in all aspects of laboratory safety. This product is intended for lab use only.  
Not for drug, food, or cosmetic use.

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