

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Lyoph-CD8
Clone 1A5

Catalog Number: 250-2714 NexES / ES / GenII

Manufacturer: Ventana Medical Systems, Inc.

Address: 1910 Innovation Park Drive
Tucson, Arizona 85737

MSDS Revised March 20, 2002

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24 Hour Emergency Telephone Number (CHEMTREC) (800) 424-9300 (USA/Canada)
(703) 527-3887 (International)

2 COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Percent Composition	Exposure Limits* Threshold Level
5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	<0.01	0.1 mg/m ³ [a]
2-methyl-4-isothiazolin-3-one	2682-20-4	<0.01	0.1 mg/m ³ [a]
dipropylene glycol	110-98-5	<0.1	[b]
triethylorthoformate	121-51-0	<0.01	

*OSHA TWA and STEL not available

[a] Recommended by primary manufacturer

[b] NIOSH recommends reducing exposure to lowest feasible level.

3 HAZARDS IDENTIFICATION

The concentrations of hazardous components in this product are less than 0.1%. When used according to instructions, this product is not classified as a hazardous substance. Symptoms of overexposure to the preservative used in this product may include skin, eye, mucous membrane and upper respiratory tract irritation. Systemic allergic reactions are possible.

4 FIRST AID MEASURES

Eye Contact: Immediately flush with large quantities of water for at least fifteen minutes. Avoid accidental consumption of rinsate while treating eyes. Seek medical attention.

Skin Contact: Wash material from skin using water and soap. Wash contaminated clothing before reuse. Seek medical attention if irritation develops.

Ingestion: If swallowed, wash out mouth with water if person is conscious. Do not give anything by mouth if victim is unconscious. Seek medical attention immediately. Call local poison control center.

Inhalation: Move victim to fresh air. Seek medical attention if necessary.

5 FIRE FIGHTING MEASURES

Extinguishing Media: Extinguish fire using agent suitable for surrounding fire conditions.

Special Firefighting Procedures: Wear self-contained breathing apparatus and protective clothing. Avoid direct contact with runoff from fire fighting.

Unusual Fire & Explosion Hazards: Thermal decomposition, such as that in fire conditions, may produce toxic fumes of phosphorous oxides and/or phosphine, carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides and hydrogen chloride.

6 ACCIDENTAL RELEASE MEASURES

Spill Control: Absorb small spills with paper towels or absorbent materials. Avoid contact to self and others with proper protective equipment.

7 HANDLING AND STORAGE

Storage: Store at 2^o-8^oC in a dark place, as directed in the package insert.

8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection: safety glasses or goggles
Hand Protection: latex or vinyl gloves
Respiratory Protection: none, if used according to directions
Ventilation: use in a well-ventilated laboratory
Other Protective Equipment: lab coat or apron.
Safety shower and eye wash facilities should be made available in laboratory.

No components greater than 0.01% of this product are listed in IARC and NTP.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	colorless to yellow or light tan watery liquid	Odor:	odorless
Solubility:	miscible with water	pH:	neutral
Specific Gravity:	1.025		

10 STABILITY AND REACTIVITY

Incompatibility (materials to avoid): Avoid contact with strong oxidizers.
Stability: stable Hazardous Polymerization: none Conditions to Avoid: none

11 TOXICOLOGICAL INFORMATION

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Data not yet available.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Liquid waste from the use of this product may not be suitable for discharge by sewer system. Solid residues from the spill cleanup may not be suitable for municipal solid waste disposal. Consult local or state authorities with regard to recommended method of disposal.

14 TRANSPORT INFORMATION

This product is not regulated as a hazardous material.

15 REGULATORY INFORMATION

This product is not regulated as a hazardous material.

16 OTHER INFORMATION

Limitations: The information and recommendations set forth in this MSDS are believed to be correct as of this date. Ventana Medical Systems, Inc. makes no warranty with respect to the content of this MSDS and disclaims all liability from reliance thereon.