

## Attachment 5 OPA Test Strip Monitoring Log\*

Month \_\_\_\_\_ Year \_\_\_\_\_

Testing & Recording	OPA Test Strips
<ul style="list-style-type: none"> <li>Test OPA solution daily (before 1<sup>st</sup> case).</li> <li>Immerse OPA test strip in solution for 1 second.</li> <li>Read test strip 90 seconds after dipping in OPA solution.</li> <li>Do not use OPA solution if test strip indicates below minimum effective concentration level.</li> <li>Do not use OPA solution beyond its stated reuse life of 14 days. Neutralize prior to disposal.</li> <li>Write "closed" next to the days the solution is not used or dept closed.</li> </ul>	<ul style="list-style-type: none"> <li>OPA Test Strip 60/bottle or 15/bottle</li> <li>Date with expiration after opening bottle</li> <li>Keep lid sealed between uses.</li> <li>Discard test strip open bottle after 90 days</li> </ul>

Date Solution Changed	# of Gallons Neutralized at Disposal	Date Solution Expires	Date Test Strips Expire (90 days after opening)	Day of Month	Test Start Time	Test Results		Tested By (Initials)
						(+) Pass	(-) Fail	
				1				
				2				
				3				
				4				
				5				
				6				
				7				
				8				
				9				
				10				
				11				
				12				
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				26				
				27				
				28				
				29				
				30				
				31				

\*Retain log for five (5) years.

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## Attachment 6 OPA Neutralization and Disposal Procedure

### Regulatory Responsibility: EPA and Local Health Departments

#### OPA DISPOSAL PROCEDURE

1. At time of OPA disposal, neutralize OPA with glycine powder or solution at a ratio of 1 KemSure container per 1 gallon of OPA. Use whole container of KemSure for less than one gallon of OPA.
2. Distribute KemSure powder or solution throughout OPA solution.
3. After adding KemSure to OPA, wait 5 minutes or until color changes for neutralization, then discard down sewer followed by **copious** amounts of water.
4. Make sure sink or container is thoroughly cleaned and rinsed well to remove KemSure and OPA residue after disposal.

#### EQUIPMENT

1. Gloves, water-resistant gowns or aprons, eye/face shield required for protection
2. KemSure containers are usually stored with the OPA solution

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**3E COMPANY**

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 Carlsbad, CA 92008  
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# Material Safety Data Sheet Transmittal Form Attachment 7

December 28, 2006

Request #: **69716**  
 Processed By: **Elaine Moctezuma**

**Recipient:****GWEN FELIZARDO****Email: FELIZARDO.G@GHC.ORG****Requester:****GWEN FELIZARDO****Email: FELIZARDO.G@GHC.ORG****Phone: 253-383-6374**

Thank you for using 3E's MSDS Paperless Compliance™ service. This service may eliminate the requirement to maintain MSDS on site. Below is a list of the MSDS you requested. Please verify that the MSDS sheet(s) enclosed/attached match what you have ordered.

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PID	Manufacturer ORDERED/Actual	Product Name ORDERED/Actual	UPC	Item
1045024	KEM/Kem Medical Products	KEMSURE OPA NETURALIZER/KemSure Neutralizer For OPA Disinfectant Solution		

END OF ORDER DETAIL - Request# 69716



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**(800) 360-3220 or visit us at [www.3ecompany.com](http://www.3ecompany.com)**

# KemSure™ Neutralizer for OPA (ortho-phthalaldehyde) Disinfectant Solution

## MATERIAL SAFETY DATA SHEET

CHEMTREC Assistance: (800) 424-9300

Date: 09/01/00

*Kem Medical Products 1239 Newport Center Dr. East, Ste 108, Deerfield Beach, FL 33442*

### SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: KemSure™ Neutralizer for OPA disinfectant solution  
SYNONYM: N/A  
FORMULA: Glycine, proprietary buffers  
CAS: None Assigned

### SECTION II - HEALTH SAFETY ALERT

**Caution:** Can cause irritation to skin and eyes. Harmful if swallowed. Avoid prolonged or repeated inhalation of vapors. Do not use this product until MSDS has been read and understood.

### SECTION III - HEALTH HAZARD INFORMATION

EYES: Direct contact with solution can produce moderate irritation  
SKIN: Prolonged contact produces mild irritation  
INHALATION: Prolonged or repeated inhalation produces nose or throat irritation.  
INGESTION: Harmful if swallowed

### SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYE AND/OR SKIN CONTACT: In case of eye contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. In case of skin contact, immediately wash affected skin area and remove any contaminated clothing.  
INHALATION: If irritating symptoms appear after prolonged exposure, remove to fresh air.  
INGESTION: If swallowed, wash mouth with water provided person is conscious. Call a physician immediately.

### SECTION V - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT & METHOD: N/A  
FLAMMABLE LIMITS: N/A  
EXTINGUISHABLE MEDIA: Water spray, dry chemical powder.  
FIRE AND EXPLOSION HAZARDS: Emits toxic fumes under fire conditions.

### SECTION VI - SPILL, LEAK, AND DISPOSAL INFORMATION

SPILL OR LEAK PROCEDURES: Wear gloves. Small spills should be flushed with water. Very large spills, use personal respiratory protection and eye protection. Absorb material in clay and place in suitable container. Shut off sources of ignition. Clean spill area with large amounts of water.  
WASTE DISPOSAL: All waste disposal must be done in accordance with applicable regulations. Discard residual solution in drain. Flush thoroughly with water. Do not reuse empty container.

### SECTION VII - REACTIVITY DATA

INCOMPATIBILITY: Strong oxidizers, monoammonium phosphate, sodium potassium alloy  
TOXIC FUMES: Contact with strong acids may liberate nitrogen oxides and ammonia. Hazardous combustion or decomposition product: carbon dioxide. Carbon monoxide  
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None

### SECTION VIII - PHYSICAL DATA

AUTO IGNITION TEMPERATURE: N/A  
HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0  
HAZARD SYMBOLS: None  
APPEARANCE/ODOR: Colorless and odorless  
SPECIFIC GRAVITY: 1.06  
pH: 8.4

### SECTION IX - SHIPPING INFORMATION

DOT PROPER SHIPPING NAME: N/A  
DOT HAZARD CLASS: N/A  
UN/NA NUMBER: N/A

### SECTION X - COMMENTS

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. KEM MEDICAL PRODUCTS SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. UNLIMITED COPIES OF THIS DOCUMENT CAN BE MADE, BUT ARE FOR INTERNAL USE ONLY.

## Attachment 8 High Level Disinfectant (HLD) Supply Ordering Resource List

*These are examples of companies that provide products in the various categories. There are many other companies that can be accessed through medical supply catalogs and the internet.*

Type of Product	Product & Supplier Example
<b>OPA</b>	CIDEX <a href="http://www.sterrad.com/Products_and_Services/CIDEX/CIDEX_OPA/">www.sterrad.com/Products &amp; Services/CIDEX/CIDEX_OPA/</a>  METREX <a href="http://www.metrex.com/index/metrex-products-us-disinfectantssterilants-metricide-opa-plus">www.metrex.com/index/metrex-products-us-disinfectantssterilants-metricide-opa-plus</a>
<b>OPA NEUTRALIZER</b>	KEMSURE <a href="http://www.kemmed.com/neutralizing.htm">www.kemmed.com/neutralizing.htm</a>
<b>OPA SPILL KIT</b>	KEMSURE <a href="http://www.kemmed.com/neutralizing.htm">www.kemmed.com/neutralizing.htm</a>
<b>SOAKING CONTAINERS</b>	CIDEX <a href="http://www.sterrad.com/Products_and_Services/CIDEX/CIDEX_Supplies/Trays/index.asp">www.sterrad.com/Products &amp; Services/CIDEX/CIDEX Supplies/Trays/index.asp</a>
<b>ENZYMATIC DETERGENTS</b>	Numerous products and companies-look for multiple (2 or more) enzyme component  Certol Pro-EZ AW solution (1/2 oz per gallon dilution) <a href="http://www.certol.com/medicalpromotions.aspx">www.certol.com/medicalpromotions.aspx</a>  Ruhoff Endozyme AW <a href="http://www.ruhof.com/">www.ruhof.com/</a>  Metrex <a href="http://www.metrex.com/index/metrex-products-us">www.metrex.com/index/metrex-products-us</a>
<b>Instrument Milk</b>	Prevents instrument rusting- comes in a spray or solution

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