

# MATERIAL SAFETY DATA SHEET

This form may be used to comply with OSHA's Hazard Communication Standard. 29 CFR §1910.1200. To be valid, all information required by §1910.1200 (g) of the Standard must appear on this form. Consult the standard for specific requirements. 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.

IDENTITY (As Used on Label and List)

Glutaraldehyde

Hazard Class: I

## Section I

Prepared from Standard Reference by :

Health Career Learning Systems, Inc.

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

37557 Schoolcraft Road

Livonia, MI 48150

Emergency Telephone Number

Local Fire Department or EMS

Telephone Number for Information

Local Poison Control

Date Prepared

August 1994

Signature of Preparer (optional)

## Section II - Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity: Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits | % (optional) |
|---|----------|-----------|--------------|--------------|
|---|----------|-----------|--------------|--------------|

Glutaraldehyde\*

0.2ppm

0.2ppm

NA

2.00%

Sodium Phenate\*

NA

NA

NA

8.25

Glutaraldehyde\*\*

NA

0.2ppm

NA

0.13

Sodium Phenate\*\*

NA

NA

NA

0.52

Note: Glutaraldehyde is a common name for Sodium Phenate.

\*at full strength

\*\*diluted 1:16 (as directed on label for high level hosp disinfection)

## Section III - Physical/Chemical Characteristics

Boiling Point

214°F

Specific Gravity (H<sub>2</sub>O = 1)

1.131

Vapor Pressure (mm Hg.)

similar to water

Melting Point

NA

Vapor Density (AIR = 1)

~3.5

Evaporation Rate (Butyl Acetate = 1)

1

Solubility in Water

completely soluble

Appearance and Odor

clear liquid with sharp odor

## Section IV - Fire and Explosion Hazard Data

Rating: 0

Flash Point (Method Used)

NA

Flammable Limits

NA

LEL

NA

UEL

NA

Extinguishing Media

NA

Special Fire Fighting Procedures

NA

Unusual Fire and Explosion Hazards

NA

Based on Draft of OSHA 174, September 1985. Replaces obsolete OSHA form 20 MSDS. This information herein is given in good faith but no warranty, expressed or implied, is made. ©1994, HCLS

Form no. 047

|                                    |          |                     |
|------------------------------------|----------|---------------------|
| <b>Section V - Reactivity Data</b> |          | Rating: 0           |
| Stability                          | Unstable | Conditions to Avoid |
|                                    | Stable   |                     |
|                                    | X        |                     |

Incompatibility (Materials to Avoid)  
strong alkalis and acids

|  |                |                     |
|--|----------------|---------------------|
| <b>Hazardous Decomposition or Byproducts</b> |                |                     |
| NA   |                |                     |
| Hazardous Polymerization                     | May Occur      | Conditions to Avoid |
|  | Will Not Occur |                     |
|  | X              |                     |

|   |                 |                |
|---|-----------------|----------------|
| <b>Section VI - Health Hazard Data</b>              |                 | Rating: 2      |
| Route(s) of Entry:                                  | Inhalation? yes | Skin? yes      |
|   | Eyes? yes       | Ingestion? yes |
| Target Organs: skin; eyes; nose; respiratory system |                 |                |

Health Hazards (Acute and Chronic) causes skin, and nose irritation. May cause severe injury to eyes. Vapors may cause headache, chest pain and bronchitis symptoms.

|                  |         |                     |                     |
|------------------|---------|---------------------|---------------------|
| Carcinogenicity: | NTP? no | IARC Monographs? no | OSHA Regulated? yes |
|------------------|---------|---------------------|---------------------|

Signs and Symptoms of Exposure  
irritated skin, and nose; allergic contact dermatitis; sudden headache; contact with eyes may cause serious injury

Medical Conditions Generally  
Aggravated by Exposure Unk

Emergency and First Aid Procedures  
Eyes: irrigate immediately Skin: water flush immediately  
Inh: remove to fresh air and monitor breathing Ing: seek medical attention

**Section VII - Precautions for Safe Handling and Use**  
Steps To Be Taken in Case Material Is Released or Spilled  
flush area with water

Waste Disposal Method  
No special hazards; dispose of in proper receptacle.

Precautions to Be Taken in Handling and Storing  
If using full strength, use gloves. No special precautions for storage

Other Precautions  
Unk

|   |  |           |
|---|--|-----------|
| <b>Section VII - Control Measures</b>   |  | Rating: 6 |
| Respiratory Protection (Specify Type) OSHA considers irritation associated with exposure to be material impairments to health therefore at the minimum a dust mask is recomm. |  |           |

|             |                      |    |         |    |
|-------------|----------------------|----|---------|----|
| Ventilation | Local Exhaust        | NA | Special | NA |
|             | Mechanical (General) | NA | Other   | NA |

Protective Gloves rubber or nitrile gloves Eye Protection safety gloves or goggles

Other Protective Clothing or Equipment  
at full strength

Work/Hygenic Practices  
NA