

# WAVICIDE®-01 (2.5% GLUTARALDEHYDE SOLUTION)

## MATERIAL SAFETY DATA SHEET

Date Issued: 10/1/96

### SECTION 1 IDENTIFICATION

Product Name: WAVICIDE - 01

Product Code: 0104 or 0112

EPA Registration Number: 15136-1

CAS Number: Not applicable; product is a mixture.

Chemical Name: (active ingredient): 2.5% glutaraldehyde

Product Type/General Information: Chemical Sterilant/Disinfectant

#### Precautionary Labeling (HMIS Rating System)

Health	3
Flammability	0
Reactivity	0

THE NEW JERSEY POISON CONTROL CENTER HAS BEEN PROVIDED INFORMATION FOR USE IN MEDICAL EMERGENCIES INVOLVING THIS PRODUCT. CALL 1 (800) 962-1253

### SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

THIS MIXTURE HAS NOT BEEN TESTED AS A WHOLE.

Threshold Limit Value (TLV): 0.2 ppmv

OSHA Permissible Exposure Limit (PEL): 0.2 ppmv

This mixture contains the following hazardous ingredients at concentrations greater than 1.0%:

Name	CAS #	Conc.	OSHA-PEL	ACGIH-TLV
Glutaraldehyde	111-30-8	2.5	0.2 ppmv	0.2 ppmv

This mixture contains the following hazardous ingredients listed as carcinogens or potential carcinogens by either the National Toxicology Program (NTP), International Agency on Cancer (IARC) or OSHA, and present a concentration greater than 0.1%:

Name	CAS #	Concentration
None	N/A	N/A

### SECTION 3 PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 100° C, 212° F

Specific Gravity: 1.005 to 1.013

Vapor Pressure: 16.9 mm Hg

Melting Point: N/A

Vapor Density: 0.64 (Air = 1)

Evaporation Rate: 0.81 (Butyl Acetate = 1)

Solubility (H2O): Complete

Appearance & Color: A clear, slightly yellowish liquid with typical aldehyde odor and added lemon scent.

pH: approx. 6.30

### SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): None

Extinguishing Media: Carbon dioxide, foam, dry chemical

Special Fire-Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn when fighting chemical fires.

---

**SECTION 5 REACTIVITY DATA**

---

**Stability:** Unstable \_\_\_\_\_ Stable  X

**Conditions and Materials to Avoid:** Alkalies catalyze an aldo-type condensation (exothermic but not expected to be violent). High temperatures (removal of water, 200°F).

**Hazardous Decomposition Products:** Thermal decomposition may produce carbon dioxide, carbon monoxide.

**Hazardous Polymerization:** May Occur \_\_\_\_\_ Will Not Occur  X

---

**SECTION 6 HEALTH HAZARD DATA**

---

**Routes of Entry:** Inhalation: X Skin: X Ingestion: X

THIS MIXTURE HAS NOT BEEN TESTED AS A WHOLE.

**Health Hazards:**

**Ingestion:** May cause nausea, vomiting and general systemic illness.

**Eyes:** Contact with liquid causes irritation.

**Skin:** Avoid prolonged and repeated contact with skin as possibility of sensitization exists. Full strength solution may cause skin to yellow.

**Inhalation:** Vapors from full strength solution may cause nasal discomfort.

**Medical Conditions Generally Aggravated by Exposure:** See above.

**First Aid Procedures:**

**Ingestion:** Drink large quantities of water and call a physician immediately.

**Eyes:** Flush eyes with plenty of water. Seek medical aid.

**Skin:** Flush skin thoroughly with water and remove contaminated clothing.

**Inhalation:** If irritation develops, remove to fresh air.

**Medical Conditions Generally Aggravated by Exposure:** See above.

---

**SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE**

---

**Steps to be Taken if Material is Released or Spilled:** Flush heavily with water. Ventilation is recommended.

**Waste Disposal Method:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Precautions to be Taken in Handling and Storing:** This product should be stored at room temperature, preferably in a cool place.

**Precautionary Labeling:** Avoid contact with eyes, prolonged and repeated contact with skin and contamination of food.

---

**SECTION 8 CONTROL MEASURES**

---

**Eye Protection:** Use of safety glasses is recommended. If materials may be splashed in handling, use splash goggles or face shield.

**Protective Gloves:** Use of nitrile gloves is recommended.

**Respiratory:** Not generally required, but in a confined or poorly ventilated area the use of NIOSH approved respirator may be required.

**Work/Hygiene Practices:** Avoid inhalation and contact with skin and eyes.

**Ventilation:** Local exhaust system meeting ACGIH criteria as needed to avoid exposure to vapors.

The information published in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available.