

MATERIAL SAFETY DATA SHEET

Product name: **GLUTERATE**
Last revised date: 5 December 2013
Print date: 18 December 2013

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Gluterate
DIN: 02217902

MANUFACTURER: Germiphene Corporation
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PRODUCT USE: Sterilizer and high-level disinfectant

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Glutaraldehyde
CAS NO 111-30-8 **% WT** 2
HAZARDOUS: yes

INGREDIENT: Isopropyl alcohol
CAS NO 67-63-0 **% WT** 1 - 5
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Can affect the first body tissue it touches (usually the eyes, nose, throat, lungs, or skin). The most common effect of overexposure is irritation of the eyes, nose, throat, and skin.

EYES, NOSE, AND THROAT: Vapors in the air can cause teary eyes, burning nose, sore throat, coughing, and headache. These effects can occur when the amount of glutaraldehyde in the air is about 0.1 ppm (the legal exposure limit is 0.2 ppm).

Direct contact severely irritates the eyes and can cause permanent eye damage. In case of eye contact, immediately rinse the eyes with water for at least 15 minutes and seek medical attention.

SKIN: Prolong contact can remove skin's natural protective oils. This can irritate the skin and cause dermatitis (skin rash), with dryness, redness, flaking, and cracking of the skin. Repeated skin contact can also cause an allergic skin reaction, with redness, itching, hives, and blisters.

INHALATION: Vapors can irritate the lungs, causing chest pain and shortness of breath.

CHRONIC HEALTH HAZARDS: Repeated exposure to glutaraldehyde can cause asthma.

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4. FIRST AID MEASURES

EYES: Wash eyes with plenty of water for at least 15 minutes. Seek medical attention.
SKIN: Wash with soap and water. If irritation persists, contact a physician.
INGESTION: Give large amounts of water. DO NOT INDUCE VOMITING. Contact physician immediately.
INHALATION: Remove person to fresh air. Contact a physician if difficulty in breathing persists.

5. FIREFIGHTING MEASURES

FLAMMABILITY: Not flammable.
HAZARDOUS DECOMPOSITION PRODUCTS: N/Av

6. ACCIDENTAL RELEASE MEASURES

Contain spilled material. Provide adequate ventilation. Spill should be collected in suitable containers or absorbed on a suitable absorbent material for subsequent disposal.

7. HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool well-ventilated area. Keep container closed when not in use. Avoid breathing vapours. Avoid contact with eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use adequate ventilation.
RESPIRATORY PROTECTION: Avoid breathing vapours.
EYE PROTECTION: Avoid contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, slightly yellow liquid
ODOUR: Characteristic, peppermint/gluterate
PHYSICAL STATE: Liquid
pH @ 22 ± 1°C: 5.0 - 6.0
BOILING POINT: N/Av
MELTING POINT: N/Av
FREEZING POINT: N/Av
VAPOR PRESSURE (mmHg): N/Av
SPECIFIC GRAVITY @ 22 ± 1°C: 0.90 - 1.01
SOLUBILITY IN WATER: Soluble

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10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Avoid contact with other chemicals.

INCOMPATIBILITY (MATERIAL TO AVOID): Incompatible with strong bases, strong acids, strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/Av

11. TOXICOLOGICAL INFORMATION

GLUTARALDEHYDE

Oral rat LD50 134 mg kg⁻¹
Inhalation rat LC50 480 mg/m³/4h
Skin rabbit LD50 > 2500 mg kg⁻¹
Intraperitoneal rat LD50 17.9 mg kg⁻¹
Oral guinea pig LD50 50 mg kg⁻¹

ISOPROPYL ALCOHOL

Oral rat LD50 5045 mg kg⁻¹
Skin rabbit LD50 12800 mg kg⁻¹
Oral mouse LD50 3600 mg kg⁻¹

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: According to state, federal, provincial, and local regulations.

14. TRANSPORT INFORMATION

Not regulated by TDG. Proper shipping name: 2% Glutaraldehyde solution.

UN HAZARD CODES: Class 8, corrosive substances

15. REGULATORY INFORMATION

N/Av

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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