

MATERIAL SAFETY DATA SHEET

Product name: **GAMUT PLUS**
Last revised date: 3 December 2013
Print date: 18 December 2013

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Gamut Plus

MANUFACTURER: Germiphene Corporation
ADDRESS: 1379 Colborne Street East, Brantford, Ontario N3T 5M1, Canada
PHONE: 519-759-7100
FAX: 519-759-1625

EMERGENCY PHONE: CANUTEC 613-996-6666

PRODUCT USE: Hard surface disinfectant, instrument cleaner, ultrasonic or pre-soak solution

2. COMPOSITION / INFORMATION ON INGREDIENTS (not intended as specifications)

INGREDIENT: Isopropyl alcohol
CAS NO 67-63-0 % **WT** 20 - 30
HAZARDOUS: Harmful if swallowed, causes eye irritation.

INGREDIENT: Glycol ether
CAS NO 000107-98-2 % **WT** 8 - 15
HAZARDOUS: Slightly irritant to eyes.

INGREDIENT: Triethanolamine
CAS NO 102-71-6 % **WT** 1.0 - 3.5
HAZARDOUS: Harmful if swallowed, skin and eye irritant.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Harmful if swallowed. Causes irritation to eyes. May cause skin irritation.

INHALATION: High vapour concentrations may cause a burning sensation in the throat and nose, stinging and watering in the eyes.

INGESTION: May cause dizziness, faintness, drowsiness, abdominal discomfort, nausea.

SKIN CONTACT: May cause irritation with redness and pain. May be absorbed through skin.

EYE CONTACT: Severe eye irritant in case of direct contact. Vapours can slightly irritate eyes.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, holding the eyelids open. Seek medical attention immediately.

SKIN: If irritation occurs, flush contaminated area with plenty of water. If irritation persists for more than 5 days, consult a physician.

INHALATION: Remove person to fresh air. Contact physician if difficulty in breathing persists.

INGESTION: Give large amounts of water to drink. Contact physician immediately.

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5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Not combustible.

HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia, nitrous oxides, carbon monoxide and carbon dioxide (mostly).

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: Keep away from heat, in a cool well-ventilated area. Keep container closed when not in use. Avoid breathing vapours.
Avoid contact with eyes.

OTHER PRECAUTIONS: Good personal hygiene practices are suggested.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use adequate ventilation.

RESPIRATORY PROTECTION: Avoid breathing vapours.

EYE PROTECTION: Avoid contact with eyes.

SKIN PROTECTION: Avoid contact with skin. Gloves might be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear colourless to yellow liquid

ODOUR: Characteristic odour

PHYSICAL STATE: Liquid

pH: 9.0 - 11.0

BOILING POINT: N/Av

MELTING POINT: N/Av

FREEZING POINT: N/Av

SPECIFIC GRAVITY @ 22 ± 1°C: 0.90 - 1.10

EVAPORATION RATE: N/Av

SOLUBILITY IN WATER: Soluble

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): N/Av

INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizing materials.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: High temperatures can produce carbon monoxide and carbon dioxide, ammonia and nitrous oxides (very small amounts).

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11. TOXICOLOGICAL INFORMATION

ISOPROPYL ALCOHOL Oral rat LD50 5045 mg/kg
Dermal rabbit LD50 12.8 gm/kg
Inhalation rat LC50 16,000 ppm/8-hour
Investigated as a tumorigen, mutagen, reproductive effector.

GLYCOL ETHER Skin absorption rabbits LD50 13,000 mg/kg (12 ml/kg)
Oral rat LD50 7200 mg/kg (6.6 ml/kg)

TRIETHANOLAMINE Oral rat LD50 4920 mg/kg
Oral rabbit LD50 5160 mg/kg
Oral mouse LD50 7400 mg/kg
Oral guinea pig LD50 5300 mg/kg
Dermal rabbit LD50 > 20 mL/kg

Irritation data: Skin rabbit 560 mg/24h mild
Eye rabbit 20 mg severe

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

TRANSPORT HAZARD CLASS: N/Av

15. REGULATORY INFORMATION

N/Av

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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