

# SAFETY DATA SHEET

Revision #2

Product name: **GAMUT PLUS**  
Last revised date: 15 May 2018

## 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. HAZARD IDENTIFICATION

**SIGNAL WORD:** Warning



**SYMBOLS:**

### GHS Classification:

	Health	Environmental	Physical
Eye Irritant:	Category 2A	None known	None known
Skin Irritant:	Category 2		
Specific Organ Toxicity (single exposure) - central nervous system:	Category 3		
Reproductive Toxicity:	Category 1B		

### HAZARD STATEMENTS:

H319: Causes serious eye irritation  
H315: Causes skin irritation  
H370: May cause drowsiness or dizziness  
H362: May cause harm to breast-fed children

### PRECAUTIONARY STATEMENTS:

P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P260+P261: Avoid breathing fumes, do not breathe mists.  
P201: Obtain special instructions before use.  
P271: Use only outdoors or in a well-ventilated area.  
P264: Wash hands thoroughly after handling.  
P263: Avoid contact during pregnancy and while nursing.  
P270: Do not eat, drink, or smoke when using this product.  
P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists, get medical attention.  
P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P312: Call a doctor if you feel unwell.  
P302+P352: If on skin: Wash with plenty of water.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P332+P313: If skin irritation occurs: Get medical attention.  
P308+P313: If exposed or concerned: Get medical attention.  
P405: Store locked up.  
P501: Dispose of contents/container in accordance with applicable regulations.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT:	CAS No:	% wt	Hazards (GHS Category)
Isopropyl alcohol	67-63-0	10 - 20%	Flammable liquids (C 2) Skin irritation (C 3) Serious eye irritation (C 2A) Specific target organ toxicity - single exposure, central nervous system (C 3)
*Proprietary*	*Proprietary*	5 - 10%	Flammable liquids (C 4) Acute oral toxicity (C 4) Skin irritation (C 2) Serious eye irritation (C 2A) Specific target organ system toxicity - single exposure, central nervous system (C 3)
*Proprietary*	*Proprietary*	1 - 5%	Acute inhalation toxicity (C 4)
Benzethonium chloride	121-54-0	< 1%	Acute oral toxicity (C 3) Skin corrosion (C 1B) Serious eye damage (C 1) Acute aquatic toxicity (C 1) Chronic aquatic toxicity (C 1)
*Proprietary*	*Proprietary*	< 1%	Skin irritation (C 3) Eye Irritation (C 2) Reproductive Toxicity (C 1B) Specific target organ toxicity (single exposure) - central nervous system (C 3) Specific target organ toxicity (repeated exposure) - kidney, liver, blood (C 2)
*Proprietary*	*Proprietary*	< 1%	Serious eye damage (C 1) Acute aquatic toxicity (C 1) Chronic aquatic toxicity (C 3)
*Proprietary*	*Proprietary*	< 1%	Acute oral toxicity (C 4) Skin irritation (C 2) Serious eye damage (C 1) Hazardous to the aquatic environment Acute hazard (C 1) Long-term hazard (C 2)

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## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with running water for at least 15 minutes, holding the eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Seek medical attention immediately. If physician is not available, flush for an additional 15 minutes and then transport victim to medical care.

**SKIN:** Wash with large amount of running water and soap (if available) for 15 minutes. Remove contaminated clothing and shoes. Wash clothing and decontaminate shoes before reuse. Seek medical attention if irritation occurs.

**INGESTION:** Give person 3-4 glasses of water. If vomiting occurs naturally, have person lean forward to reduce risk of aspiration. Do not induce vomiting. Seek medical attention. **Note:** Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing.

**INHALATION:** Remove person to fresh air and rest in a position comfortable for breathing. Seek medical attention.

## 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.

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## 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).

## 11. TOXICOLOGICAL INFORMATION

**BENZETHONIUM CHLORIDE** Oral rat LD50 295 mg/kg  
**\*PROPRIETARY\*** Oral guinea pig LD50 1414 mg/kg  
**\*PROPRIETARY\*** Oral rat LD50 2660 mg/kg  
**\*PROPRIETARY\*** Oral rat LD50 1065 mg/kg  
**\*PROPRIETARY\*** Oral rat LD50 2800 mg/kg  
Inhalation rat LC50 2.27 mg/L, 4 hour

## 12. ECOLOGICAL INFORMATION

Not available.

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

**TRANSPORT HAZARD CLASS:** Not classified as a Dangerous Good under TDG.

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## **15. REGULATORY INFORMATION**

Not available.

## **16. OTHER INFORMATION**

**Prepared by:** Germiphene Technical Department

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