

# MATERIAL SAFETY DATA SHEET

Product name: **GENIE PLUS**  
Last revised date: 4-January-2011  
Print date: 4-January-2011

---

## 1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Genie Plus  
DIN: 02190826  
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: Low-level Disinfectant and Cleaner for Chairs.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Bezalkonium Chloride  
CAS No 8001-54-5 % wt 0.1-0.15  
HAZARDOUS: yes

INGREDIENT: Citric Acid  
CAS No 77-92-9 % wt 1.0-2.0  
HAZARDOUS: yes

INGREDIENT: Sodium Hydroxide  
CAS NO 1310-73-2 % wt 0.5-1.0  
HAZARDOUS: yes

## 3. HAZARD IDENTIFICATION

EYES: May cause irritation.  
SKIN: May cause irritation.  
INGESTION: May be harmful if swallowed.  
INHALATION: May cause irritation.

## 4. FIRST AID MEASURES

EYES: Flush with copious amounts of water for at least 15 minutes. Call a physician immediately.  
SKIN: Flush thoroughly with soap and water. If irritation persists, call a physician.  
INGESTION: Rinse mouth with water. Drink milk or water. Do not give anything by mouth if victim is unconscious. Call a physician or poison control center immediately.  
INHALATION: Remove to fresh air.

## 5. FIREFIGHTING MEASURES

FLAMMABILITY: N/Av  
COMBUSTIBLE: N/Av

---

# MATERIAL SAFETY DATA SHEET

Product name: **GENIE PLUS**  
Last revised date: 4-January-2011  
Print date: 4-January-2011

---

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and nitrogen, hydrochloric acid fumes.

## 6. ACCIDENTAL RELEASE MEASURES

Small spills should be flushed with large quantities of water.

## 7. HANDLING AND STORAGE

Store in a cool dry place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**VENTILATION:** Provide mechanical ventilation of confined spaces for continuous use.  
**RESPIRATORY PROTECTION:** No  
**EYE PROTECTION:** Yes. Chemical splash goggles or face shield.  
**SKIN PROTECTION:** Yes. Latex or rubber protective gloves.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eyewash facility

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, colourless  
**ODOUR:** Quaternary ammonium odour  
**PHYSICAL STATE:** Liquid  
**pH:** 4.50 -7.50  
**BOILING POINT:** N/Av  
**MELTING POINT:** N/Av  
**FREEZING POINT:** N/Av  
**EVAPORATION RATE:** Same as water  
**VAPOUR PRESSURE (mmHg):** N/Av  
**SPECIFIC GRAVITY 25 ± 1°C:** 0.950 - 1.050  
**SOLUBILITY:** N/Av

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable at normal conditions.  
**CONDITIONS TO AVOID (STABILITY):** N/Av  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Anionic materials, oxidants, acids, ammonia salts, organic material.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** N/Av

## 11. TOXICOLOGICAL INFORMATION

**Benzalkonium chloride :** Acute oral toxicity (LD50) : 240 mg/kg [Rat]  
**Citric acid :** Acute oral toxicity (LD50) : 3000 mg/kg [Rat]  
LDL [Rabbit], route : oral, dose 7000 mg/kg  
**Sodium Hydroxide :** Skin, rabbit : 500 mg/24H sever

# MATERIAL SAFETY DATA SHEET

Product name: GENIE PLUS  
Last revised date: 4-January-2011  
Print date: 4-January-2011

---

Eye, rabbit : 50 µg/24H sever  
Investigated as mutagen

## 12. ECOLOGICAL INFORMATION

N/Av

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose in accordance with local, provincial and federal law.

## 14. TRANSPORT INFORMATION

Not regulated by TDG.

## 15. REGULATORY INFORMATION

**WHMIS CATEGORY:** Exempt - Drug Product

## 16. OTHER INFORMATION

**Prepared by:** Germiphene Technical Department

### Disclaimer

No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any nature are made with respect to the product or information contained in this Material Safety Data Sheet. All information contained herein is presented in good faith and is believed to be appropriate and accurate. However, neither the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The buyer or user assumes all risks associated with the use, misuse or disposal of this product. The buyer or user is responsible to comply with all federal, state, provincial, or local regulations concerning the use, misuse, or disposal of these products.