

MATERIAL SAFETY DATA SHEET

Product name: **BUFF PROPHY POWDER**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Buff Prophy Powder
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: Air polishing units for dental prophylaxis.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIEMT: Silicon Dioxide (Amorphous)
CAS No 112945-52-5 % wt 0.5 - 1
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EYES: May cause irritation.
SKIN: May cause irritation.
INGESTION: Administration of large doses to patients with renal insufficiency can produce systematic alkalosis.
INHALATION: N/Av

4. FIRST AID MEASURES

EYES: Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If irritation persists, get medical attention.
SKIN: Flush contaminated skin with plenty of water. If irritation persists, get medical attention.
INGESTION: In case of ingestion, give large quantities of water if conscious. Get immediate medical attention.
INHALATION: In case of inhalation, remove to fresh air. If discomfort persists, get medical attention.

5. FIREFIGHTING MEASURES

FLAMMABILITY: No
COMBUSTIBLE: No
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Avoid dust accumulation. Sweep or shovel material into waste container.

MATERIAL SAFETY DATA SHEET

Product name: **BUFF PROPHY POWDER**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

7. HANDLING AND STORAGE

Minimize dust generation and exposure. Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: N/Ap
RESPIRATORY PROTECTION: No. If dust expected, wear face mask.
EYE PROTECTION: Yes. Chemical safety goggles when airborne dust expected.
SKIN PROTECTION: General purpose examination gloves.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White, fine, free-flowing powder
ODOUR: Characteristic of the flavour
PHYSICAL STATE: Solid
pH: 8.1 as 1%
BOILING POINT: N/Av
MELTING POINT: N/Av
FREEZING POINT: N/Av
VAPOUR PRESSURE (mmHg): N/Av
SPECIFIC GRAVITY: 0.88
SOLUBILITY IN WATER: N/Av

10. STABILITY AND REACTIVITY

STABILITY: Stable at normal conditions.
CONDITIONS TO AVOID: N/Av
INCOMPATIBILITY (MATERIALS TO AVOID): Acids.

11. TOXICOLOGICAL INFORMATION

SILICON DIOXIDE Oral rat LD50 10 mg/kg

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.

MATERIAL SAFETY DATA SHEET

Product name: **BUFF PROPHY POWDER**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

15. REGULATORY INFORMATION

WHMIS CATEGORY: Exempt - Medical device

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

Disclaimer

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MATERIAL SAFETY DATA SHEET

Product name: D-VAC
Last revised date: 5-Sep-10
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: D-Vac
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: Evacuation system cleaner

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

INGREDIENT: Alcohol ethoxylate/propoxylate
CAS No N/Av % wt 1 - 3
HAZARDOUS: yes

INGREDIENT: Isopropyl alcohol
CAS No 67-63-0 % wt 5 - 10
HAZARDOUS: yes

INGREDIENT: Bacillus suspension
CAS No N/Av % wt 2.0
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Skin contact, inhalation, eye contact.

EFFECTS OF OVEREXPOSURE: Based on information available for similar products, it is anticipated that direct contact will produce severe eye and skin irritation. Solvent vapors or mists of product can produce irritation of the mucous membranes. Ingestion can produce immediate burning pain in the mouth, throat and abdomen.

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 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. Get immediate medical attention. Wash clothing and decontaminate shoes before reuse.

MATERIAL SAFETY DATA SHEET

Product name: D-VAC
Last revised date: 5-Sep-10
Print date: 5-Sep-10

INGESTION: If swallowed, immediately give 3-4 glasses of water. DO NOT INDUCE VOMITING. If vomiting occurs, give fluids again. Get immediate medical attention. Have physician determine if patient's condition allows for induction of vomiting or evacuation of the stomach. Do not give anything by mouth to a convulsing or unconscious person.

INHALATION: Remove person to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.

5. FIREFIGHTING MEASURES

Flammable liquid with the flash point of 33 °C

HAZARDOUS DECOMPOSITION PRODUCTS: Small amounts carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective gear and respiratory protection where mist or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).

Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING AND STORAGE: Store at room temperatures. Keep containers closed until used. Do not contaminate drinking water, food or feed by storage or disposal.

OTHER PRECAUTIONS: Good personal hygiene practices are suggested.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

RESPIRATORY PROTECTION: In processes where mists or vapors may be generated, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

PROTECTIVE GLOVES: Rubber or neoprene, to prevent skin contact.

EYE PROTECTION: Wear chemical splash goggles if there is a potential for eye contact. Use safety glasses with side shields if there is no potential for eye contact.

OTHER PROTECTIVE EQUIPMENT: Eye wash; safety shower; protective clothing (long sleeves, coveralls or other, as appropriate), to prevent skin contact.

MATERIAL SAFETY DATA SHEET

Product name: D-VAC
Last revised date: 5-Sep-10
Print date: 5-Sep-10

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Opaque, pale blue liquid; may contain white to beige particulate matter
ODOUR: Characteristic lemon
PHYSICAL STATE: Liquid
PH: 7.0 - 9.0
BOILING POINT: 100°C
FREEZING POINT: 0°C
SPECIFIC GRAVITY @ 22 ± 1°C: 0.95 - 1.05
SOLUBILITY IN WATER: Soluble
VISCOSITY @ 22 ± 1°C: 100 cPs
FLASH POINT: 33 °C

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Avoid heating the product over 30°C.
INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing or reducing agents, disinfectants.
HAZARDOUS DECOMPOSITION PRODUCTS OR BY-PRODUCTS: Carbon oxide (small amounts)

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.

ALCOHOL ETHOXYLATE/PROPOXYLATE Oral LD50 > 2000 mg/kg

BACILLUS SUSPENSION Oral rat LD50 > 5000 mg/kg
Inhalation rat LC50 2400 mg/L

12. ECOLOGICAL INFORMATION

ALCOHOL ETHOXYLATE/PROPOXYLATE:

Acute fish toxicity LC50 > 10 mg/L
Acute invertebrate toxicity EC50 > 20 mg/L
Acute bacterial toxicity EC50 >100 mg/L
Aquatic plant/algae toxicity EC50>10 mg/L

MATERIAL SAFETY DATA SHEET

Product name: D-VAC
Last revised date: 5-Sep-10
Print date: 5-Sep-10

Biodegradability readily and rapidly biodegradable (OECD 301)

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Safe to dispose through the sewage system.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

TRANSPORT HAZARD CLASS: Class IC flammable liquids

15. REGULATORY INFORMATION

N/Av

16. OTHER INFORMATION

PREPARED BY: Germiphene Technical Department

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MATERIAL SAFETY DATA SHEET

Product name: FLOAM ACIDIC TOPICAL FOAM FLUORIDE AEROSOL WITH PROPELLANTS
Last revised date: 9-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Floam Acidic Topical Foam Fluoride Aerosol with Propellants
NPN: 02198703

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: Anticaries treatment.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Sodium Fluoride
CAS No 7681-49-4 **% wt** 1.69
HAZARDOUS: yes

INGREDIENT: Hydrogen Fluoride
CAS No N/Av **% wt** 0.5
HAZARDOUS: yes

INGREDIENT: Isobutane
CAS No 75-28-5 **% wt** 3.7
HAZARDOUS: yes

INGREDIENT: Propane
CAS No 74-98-6 **% wt** 1.0
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EYES: May cause irritation.
SKIN: N/Av
INGESTION: Toxic effects occur from swallowing excessive amounts. Acute symptoms include abdominal pain, vomiting, diarrhea and weakness.
INHALATION: May cause irritation.

4. FIRST AID MEASURES

EYES: Exposed eyes should be irrigated with copious amounts of water for at least 15 minutes. If pain or irritation persists, have ophthalmologist examine eyes.
SKIN: Wash exposed area twice with copious amounts of soap and water. If irritation occurs after washing, have physician examine exposed area.
INGESTION: 1. Induce vomiting unless the patient is losing consciousness, is unconscious, convulsing, or has lost the gag reflex. If any of these

MATERIAL SAFETY DATA SHEET

Product name: **FLOAM ACIDIC TOPICAL FOAM FLUORIDE AEROSOL WITH PROPELLANTS**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

contraindications are present, endotracheal intubation should precede gastric lavage with a large bore tube.

2. Administer milk, calcium gluconate, calcium lactate, liquid or gel antacids containing aluminum or magnesium hydroxide to bind the fluoride ion and to decrease absorption.

3. Notify physician and have patient taken to hospital. Determine amount of product consumed and give information to physician.

INHALATION: Remove patient to fresh air. Monitor patient for respiratory distress. If breathing difficulties persist notify physician.

5. FIREFIGHTING MEASURES

FLAMMABILITY: Yes

COMBUSTIBLE: Yes

HAZARDOUS COMBUSTION PRODUCTS: N/Av

CONDITIONS OF FLAMMABILITY: Container may rocket or explode in heat of fire. Avoid extreme heat. Avoid spraying toward open flame.

MEANS OF EXTINCTION: Select media suitable for the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Small spills can be wiped with absorbent paper. Large spills should be absorbed with sand, earth or similar material or mopped up and wash with water.

7. HANDLING AND STORAGE

Avoid spraying toward open flame. Contents under pressure. Do not puncture or incinerate. Do not store at temperatures over 80°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: N/Av

RESPIRATORY PROTECTION: No

EYE PROTECTION: No

SKIN PROTECTION: No

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White foam

ODOUR: Characteristic of the flavour

PHYSICAL STATE: Foam

pH: 4.00 - 6.00

BOILING POINT: N/Av

MELTING POINT: N/Av

FREEZING POINT: N/Av

EVAPORATION RATE: N/Av

VAPOUR PRESSURE (mmHg): N/Av

MATERIAL SAFETY DATA SHEET

Product name: **FLOAM ACIDIC TOPICAL FOAM FLUORIDE AEROSOL WITH PROPELLANTS**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

SPECIFIC GRAVITY: N/Av
SOLUBILITY: N/Av

10. STABILITY AND REACTIVITY

STABILITY: Stable at normal conditions.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers and acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon and nitrogen, hydrocarbons, and fluoride containing compounds and derivatives.

11. TOXICOLOGICAL INFORMATION

SODIUM FLUORIDE Oral rat LD50 80 mg/kg
HYDROGEN FLUORIDE Oral rat LD50 80 mg/kg
ISOBUTANE N/Av
PROPANE N/Av

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with municipal, provincial and federal regulations.

14. TRANSPORT INFORMATION

Not regulated by TDG.

15. REGULATORY INFORMATION

WHMIS CATEGORY: Exempt - Natural Health Product

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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Last revised date: 9-Jan-08
Print date: 5-Sep-10

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.

MATERIAL SAFETY DATA SHEET

Product name: GEL 7 TOPICAL FLUORIDE GEL
Last revised date: 28-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Gel 7 Topical Fluoride Gel
NPN: 02042770

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: A topical anticaries preparation for dental use only.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Sodium Fluoride
CAS No 7681-49-4 % wt 2.0 w/w
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EYES: N/Av
SKIN: N/Av
INGESTION: Overdose may cause nausea, vomiting, hypersalivation, abdominal pain, diarrhea, convulsions, cardiac arrhythmias, and coma.
INHALATION: N/Av
CHRONIC EXPOSURE: Safely tolerated dose 0.34 g/kg body weight.

4. FIRST AID MEASURES

EYES: Exposed eyes should be irrigated with copious amounts of water for at least 15 minutes. If pain or irritation persists, have ophthalmologist examine eyes.

SKIN: Wash exposed area with copious amounts of soap and water. If pain or irritation persists after washing, have physician examine exposed area.

INGESTION: 1. Induce vomiting unless the patient is losing consciousness, is unconscious, convulsing, or has lost the gag reflex. If any of these contraindications are present, endotracheal intubation should precede gastric lavage with a large bore tube.
2. Administer milk, calcium gluconate, calcium lactate, liquid or gel antacids containing aluminum or magnesium hydroxide to bind the fluoride ion and decrease absorption.
3. Notify physician and have patient taken to hospital. Determine the amount of product consumed and give information to physician.

INHALATION: N/Av

MATERIAL SAFETY DATA SHEET

Product name: GEL 7 TOPICAL FLUORIDE GEL
Last revised date: 28-Jan-08
Print date: 5-Sep-10

5. FIREFIGHTING MEASURES

FLAMMABILITY: No
COMBUSTIBLE: N/Av
HAZARDOUS COMBUSTION PRODUCTS: N/Av

6. ACCIDENTAL RELEASE MEASURES

Carefully scoop up spill. Dilute with sufficient water. Wipe with damp cloth. Clean spill area.

7. HANDLING AND STORAGE

Store at controlled room temperature. (15-30°C)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: None required.
RESPIRATORY PROTECTION: No
EYE PROTECTION: No
SKIN PROTECTION: No
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Viscous, opaque gel, colour characteristic of the flavour
ODOUR: Characteristic flavour
PHYSICAL STATE: Liquid (gel)
pH: 6.10 - 7.50
BOILING POINT: N/Av
MELTING POINT: N/Av
FREEZING POINT: N/Av
EVAPORATION RATE: N/Av
VAPOUR PRESSURE (mmHg): N/Av
VISCOSITY @ 25 ± 0.5°C: 7000- 20000 cPs
SPECIFIC GRAVITY @ 25 ± 1°C: 1.000 - 1.100
SOLUBILITY: N/Av

10. STABILITY AND REACTIVITY

STABILITY: Stable at normal conditions.
CONDITIONS TO AVOID (STABILITY): None
INCOMPATIBILITY (MATERIALS TO AVOID): None
HAZARDOUS DECOMPOSITION PRODUCTS: N/Av

11. TOXICOLOGICAL INFORMATION

MATERIAL SAFETY DATA SHEET

Product name: GEL 7 TOPICAL FLUORIDE GEL
Last revised date: 28-Jan-08
Print date: 5-Sep-10

SODIUM FLUORIDE Oral rat LD50 80 mg/kg

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: No special requirements. Dilute with water and allow to run down drain or scoop up and place in refuse container. Dispose of in accordance with local, provincial, and federal law.

14. TRANSPORT INFORMATION

Do not freeze. Not regulated by TDG.

15. REGULATORY INFORMATION

WHMIS CATEGORY: Exempt - Drug Product

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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MATERIAL SAFETY DATA SHEET

Product name: **GENIE PLUS WIPES**
Last revised date: 17-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Genie Plus Wipes
DIN: 02251868

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: Nonyl Phenol Ethoxylate 9
CAS No 9016-45-9 % wt 1
HAZARDOUS: yes

INGREDIENT: Nonyl Phenol Ethoxylate 15
CAS No 68412-54-4 % wt 1
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
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen, hydrochloric acid fumes.

MATERIAL SAFETY DATA SHEET

Product name: GENIE PLUS WIPES
Last revised date: 17-Jan-08
Print date: 5-Sep-10

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 (which is absorbed into a towelette)
pH: 9.5 - 11.5
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

NONYL PHENOL ETHOXYLATE 9 Oral rat LD50 1310 mg/kg
NONYL PHENOL ETHOXYLATE 15 Oral rat LD50 2500 mg/kg

12. ECOLOGICAL INFORMATION

N/Av

MATERIAL SAFETY DATA SHEET

Product name: **GENIE PLUS WIPES**
Last revised date: 17-Jan-08
Print date: 5-Sep-10

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

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Product name: **GENIE PLUS**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

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: Nonyl Phenol Ethoxylate 9
CAS No 9016-45-9 % wt 1
HAZARDOUS: yes

INGREDIENT: Nonyl Phenol Ethoxylate 15
CAS No 68412-54-4 % wt 1
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
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen, hydrochloric acid fumes.

MATERIAL SAFETY DATA SHEET

Product name: **GENIE PLUS**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

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: 9.5 - 11.5
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

NONYL PHENOL ETHOXYLATE 9 Oral rat LD50 1310 mg/kg
NONYL PHENOL ETHOXYLATE 15 Oral rat LD50 2500 mg/kg

12. ECOLOGICAL INFORMATION

N/Av

MATERIAL SAFETY DATA SHEET

Product name: **GENIE PLUS**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

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

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MATERIAL SAFETY DATA SHEET

Product name: **GERMI-JET**
Last revised date: 13-Feb-09
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Germi-Jet
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: Evacuation System Cleaner

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Isopropyl alcohol
CAS No 67-63-0 **% wt** 5-15
HAZARDOUS: yes

INGREDIENT: Sodium hydroxide
CAS No 1310-73-2 **% wt** 5-15
HAZARDOUS: yes

INGREDIENT: Proprietary mixture of alpha hydroxy acids
CAS No n/a **% wt** 60-80
HAZARDOUS: mild hazard

3. HAZARD IDENTIFICATION

EYES: Corrosive. Risk of serious damage to eyes.
SKIN: Corrosive. Irritating to skin.
INGESTION: Corrosive. Swallowing may cause severe burns of mouth, throat, and stomach.
INHALATION: Corrosive. Causes burns of the upper digestive and respiratory tracts.
CHRONIC EXPOSURE: Prolonged contact has a destructive effect upon tissue.
AGGRAVATION OF PRE-EXISTING CONDITIONS: Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

MATERIAL SAFETY DATA SHEET

Product name: **GERMI-JET**
Last revised date: 13-Feb-09
Print date: 5-Sep-10

4. FIRST AID MEASURES

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

SKIN CONTACT: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

INGESTION: Immediate medical attention is required. Drink plenty of water. Do not induce vomiting. Call a physician immediately.

INHALATION: Move to fresh air.

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, water.

SPECIAL FIREFIGHTING PROCEDURES: Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment. Neutralize with soda or sodium carbonate and flush with plenty of water. Soak up with inert absorbent material (e.g. sand, silica gel, universal binder, sawdust). Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Do not store with aluminum or magnesium. Do not mix with acids or organic materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Ensure adequate ventilation, especially in confined areas.

RESPIRATORY PROTECTION: Use respirator when performing operations involving potential exposure to vapour of the product.

EYE PROTECTION: Goggles are recommended.

SKIN PROTECTION: Rubber gloves are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use lightweight protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Slightly yellowish, translucent liquid

ODOUR: Specific

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 4-6

SPECIFIC GRAVITY @ 23°C: 1.272

SOLUBILITY IN WATER: Infinite

VISCOSITY: Viscous

MATERIAL SAFETY DATA SHEET

Product name: **GERMI-JET**
Last revised date: 13-Feb-09
Print date: 5-Sep-10

10. STABILITY AND REACTIVITY

STABILITY: Stable at normal conditions.

Conditions to avoid: Avoid temperatures above 200°C.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents. Sodium hydroxide in contact with acids and organic halogen compounds, especially trichloroethylene, may cause violent reactions. Contact with nitromethane and other similar nitro compounds causes formation of shock-sensitive salts. Sodium hydroxide, even in fairly dilute solution, reacts readily with various sugars to produce carbon monoxide.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous polymerization: Does not occur.

11. TOXICOLOGICAL INFORMATION

ISOPROPYL ALCOHOL Oral rat LD50 5045 mg/kg
Inhalation LD50 16000 ppm / 8hr
Dermal rabbit LD50 12800 mg/kg

SODIUM HYDROXIDE: Oral rabbit LD50 500 mg/kg

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/A

15. REGULATORY INFORMATION

N/Av

MATERIAL SAFETY DATA SHEET

Product name: **GERMI-JET**
Last revised date: 13-Feb-09
Print date: 5-Sep-10

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

Disclaimer

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MATERIAL SAFETY DATA SHEET

Product name: **GERMIPHENE CONCENTRATE**
Last revised date: 15-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Germiphene Concentrate
DIN: 00109991

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: Disinfectant and sanitizer.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Benzalkonium Chloride
CAS No 68424-85-1 **% wt** 7.2 - 12.8
HAZARDOUS: yes

INGREDIENT: Sodium Nitrite
CAS No 7632-00-0 **% wt** 4.8 - 10.4
HAZARDOUS: yes

INGREDIENT: Benzethonium Chloride
CAS No 121-54-0 **% wt** 0.8 - 4.8
HAZARDOUS: yes

INGREDIENT: Octylphenoxypolyethoxyethanol
CAS No 9036-19-5 **% wt** 4.8 - 10.4
HAZARDOUS: yes

INGREDIENT: Propylene Glycol
CAS No 57-55-6 **% wt** 4.8 - 10.4
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EYES: Irritation of eyes.
SKIN: Irritation of skin.
INGESTION: Irritation and burning of mouth, throat and GI tract.
INHALATION: Irritation of mucous membranes.
CHRONIC EXPOSURE: May cause drying and irritation of skin.
IRRITANCY: Irritant.

4. FIRST AID MEASURES

EYES: Wash eyes with plenty of water for at least 15 minutes. Call a physician immediately.

MATERIAL SAFETY DATA SHEET

Product name: **GERMIPHENE CONCENTRATE**
Last revised date: 15-Jan-08
Print date: 5-Sep-10

SKIN: Wash well with soap and water. If irritation persists, consult a physician.
INGESTION: Do not induce vomiting. Rinsed mouth with water. Drink milk or water. Do not give anything by mouth if victim is unconscious. Obtain medical attention immediately.
INHALATION: Remove victim to fresh air. Contact physician if difficulty in breathing persists.

5. FIREFIGHTING MEASURES

FLAMMABILITY: No
COMBUSTIBLE: N/Av
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. Large spills should be collected for disposal.

7. HANDLING AND STORAGE

Store in a cool dry place. Keep containers closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Provide mechanical ventilation of confined spaces for continuous use.
RESPIRATORY PROTECTION: No
EYE PROTECTION: Yes. Chemical splash goggles.
SKIN PROTECTION: Yes. Use rubber, vinyl, or PVA gloves for prolonged use.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear colourless to pale straw coloured water-like liquid
ODOUR: Mild
PHYSICAL STATE: Liquid
pH: 9.80
BOILING POINT: 100°C
FREEZING POINT: N/Av
EVAPORATION RATE: Same as water
VISCOSITY: N/Av
VAPOUR PRESSURE (mmHg): N/Av
SPECIFIC GRAVITY: 1.055 - 1.065
SOLUBILITY: N/Av

MATERIAL SAFETY DATA SHEET

Product name: **GERMIPHENE CONCENTRATE**
Last revised date: 15-Jan-08
Print date: 5-Sep-10

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID (STABILITY): N/Av
INCOMPATIBILITY (MATERIALS TO AVOID): Anionic materials, oxidants, acids, ammonia salts, organic materials.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

BENZALKONIUM CHLORIDE Oral rat LD50 500 mg/kg
SODIUM NITRITE Oral rat LD50 180 mg/kg
Oral rabbit LD50 178 mg/kg
Oral human LDLO 71 mg/kg
Intravenous rat LD50 65mg/kg
BENZETHONIUM CHLORIDE Oral rat LD50 520 mg/kg
OCTYLPHENOXYPOLYETHOXYETHANOL Oral rat LD50 2 g/kg
PROPYLENE GLYCOL Oral rat LD50 21 g/kg

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Not regulated by TDG.

15. REGULATORY INFORMATION

WHMIS CATEGORY: Exempt - Drug Product

MATERIAL SAFETY DATA SHEET

Product name: **GERMIPHENE CONCENTRATE**
Last revised date: 15-Jan-08
Print date: 5-Sep-10

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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MATERIAL SAFETY DATA SHEET

Product name: **GERMI-STAT GEL 4%**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Germi-Stat Gel 4%
DIN: 01930087

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: Antimicrobial Skin Cleanser

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Isopropyl Alcohol 99% USP
CAS No 67-63-0 **% wt** 1 - 5
HAZARDOUS: yes

INGREDIENT: 1-Dodecanamine,N,N-dimethyl-,N-oxide
CAS No 1643-20-5 **% wt** 1 - 5
HAZARDOUS: yes

INGREDIENT: Polyoxyethylene Polyoxypropylene Block Polymer
CAS No 9003-11-6 **% wt** 1 - 5
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EYES: May cause irritation.
SKIN: May cause irritation in persons with known hypersensitivity to chlorhexidine gluconate.
INGESTION: N/Av
INHALATION: N/Av

4. FIRST AID MEASURES

EYES: Flush with copious amounts of water for at least 15 minutes. Call a physician immediately.
SKIN: N/Av
INGESTION: DO NOT INDUCE VOMITING. Rinse mouth with water. Drink milk or water. Do not give anything by mouth if victim is losing consciousness, is unconscious, or convulsing. Call a physician immediately.
INHALATION: Remove person to fresh air area. Contact physician if difficulty in breathing persists.

MATERIAL SAFETY DATA SHEET

Product name: **GERMI-STAT GEL 4%**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

5. FIREFIGHTING MEASURES

FLAMMABILITY: N/Av
COMBUSTIBLE: N/Av
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Small spills can be wiped with absorbent paper. Large spills should be absorbed with sand, earth or similar material or mopped up and washed with water.

7. HANDLING AND STORAGE

Store at room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: N/Av
RESPIRATORY PROTECTION: No
EYE PROTECTION: Yes. Chemical splash goggles recommended if possibility of eye contact.
SKIN PROTECTION: No
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash facility.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, colourless, slightly viscous
ODOUR: Isopropyl
PHYSICAL STATE: Liquid
pH: 5.80 - 7.00
BOILING POINT: N/Av
MELTING POINT: N/Av
FREEZING POINT: N/Av
EVAPORATION RATE: N/Av
VAPOUR PRESSURE (mmHg): N/Av
SPECIFIC GRAVITY @ 22 ± 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): N/Av
HAZARDOUS DECOMPOSITION PRODUCTS: N/Av

MATERIAL SAFETY DATA SHEET

Product name: **GERMI-STAT GEL 4%**
Last revised date: 9-Jan-08
Print date: 5-Sep-10

11. TOXICOLOGICAL INFORMATION

ISOPROPYL ALCOHOL 99% USP	Oral rat LD50 5.05 g/kg
1-DODECANAMINE,N,N-DIMETHYL-,N-OXIDE	Oral rat LD50 1.0 g/kg
POLYOXYETHYLENE POLYOXYPROPYLENE BLOCK POLYMER	Oral rat LD50 35 g/kg

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

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MATERIAL SAFETY DATA SHEET

Product name: **GERMX**
Last revised date: 10-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Germx
DIN: 01910590

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: Disinfects and cleans all washable hard surfaces.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Ethyl Alcohol
CAS No 64-17-5 **% wt** 70
HAZARDOUS: yes

INGREDIENT: o-Phenylphenol
CAS No 90-43-7 **% wt** 0.28
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EYES: Severe eye irritant. Vapours can irritate eyes. Eye damage from contact with liquid is reversible and proper treatment will result in healing within a few days. Damage is usually mild to moderate conjunctivitis, seen mainly as redness to the conjunctiva.

SKIN: N/Av

INGESTION: Due to ethanol content and amount consumed, may cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, euphoria, abdominal discomfort, nausea, vomiting, staggering gait, lack of coordination and coma.

INHALATION: May cause irritation in the throat and nose, stinging and watering in the eyes.

MATERIAL SAFETY DATA SHEET

Product name: **GERMX**
Last revised date: 10-Jan-08
Print date: 5-Sep-10

4. FIRST AID MEASURES

EYES: Wash eyes with plenty of water for 20 minutes, holding eyelids open. Seek medical attention immediately.
SKIN: Flush contaminated area with water for at least 20 minutes. If irritation occurs, seek medical attention.
INGESTION: N/Av
INHALATION: Remove victim to fresh air. Artificial respiration should be given if breathing has stopped and cardiopulmonary resuscitation if the heart has stopped. Oxygen may be given if necessary. Seek medical attention immediately.

NOTES TO PHYSICIAN: Symptoms of ethanol intoxication vary with the alcohol level of the blood. The unabsorbed ethanol should be removed by gastric lavage after intubating the patient to prevent aspiration. Avoid the use of depressant drugs or the excessive administration of fluids.

5. FIREFIGHTING MEASURES

FLAMMABILITY: Yes
COMBUSTIBLE: Yes
CONDITIONS OF IGNITION: Heat, sparks, open flame.
HAZARDOUS COMBUSTION PRODUCTS: N/Av
MEANS OF EXTINCTION: Alcohol-type or all-purpose-type foams, carbon dioxide or dry chemical.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable traveling vapours form from this product and may be ignited by static discharges or other ignition sources at locations distant from handling point.

6. ACCIDENTAL RELEASE MEASURES

Contain spilled material. Provide adequate ventilation and protective equipment. Remove sources of heat, sparks or flames. Spill should be collected in suitable containers or absorbed on a suitable absorbent material for subsequent disposal.

7. HANDLING AND STORAGE

Keep away from heat, sparks and flames. Keep container closed when not in use. Take precautions to prevent static electricity build-up when transferring contents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Local ventilation is recommended when handling.
RESPIRATORY PROTECTION: No
EYE PROTECTION: Yes. Chemical splash goggles.
SKIN PROTECTION: Yes. Neoprene, butyl or natural rubber protective gloves.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

MATERIAL SAFETY DATA SHEET

Product name: **GERMX**
Last revised date: 10-Jan-08
Print date: 5-Sep-10

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, colourless, volatile liquid
ODOUR: Alcohol
PHYSICAL STATE: Liquid
pH: N/Av
BOILING POINT: N/Av
FREEZING POINT: N/Av
EVAPORATION RATE: N/Av
VAPOUR PRESSURE (mmHg): N/Av
SPECIFIC GRAVITY: 0.86 - 0.88
SOLUBILITY: N/Av

10. STABILITY AND REACTIVITY

STABILITY: Stable at normal conditions.
CONDITIONS TO AVOID (STABILITY): N/Av
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS: Will not occur.

11. TOXICOLOGICAL INFORMATION

ETHYL ALCOHOL Oral rat 7060 mg/kg
O-PHENYLPHENOL Oral rat 2700 mg/kg

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

TDG Class 3

15. REGULATORY INFORMATION

WHMIS CATEGORY: Exempt - Drug Product

MATERIAL SAFETY DATA SHEET

Product name: **GERMX**
Last revised date: 10-Jan-08
Print date: 5-Sep-10

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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MATERIAL SAFETY DATA SHEET

Product name: **GLEAM II - ULTRASONIC CLEANING SOLUTION**
Last revised date: 17-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Gleam II - Ultrasonic Cleaning Solution
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: Detergent for ultrasonic instrument washers.

2. COMPOSITION / INFORMATION ON INGREDIENTS

No hazardous ingredients.

3. HAZARD IDENTIFICATION

EYES: May cause irritation.
SKIN: May cause irritation on prolonged exposure.
INGESTION: Alkaline can cause burning and irritation of digestive tract.
INHALATION: N/Av
IRRITANCY: Prolonged skin contact may result in irritation and dryness due to removal of skin oils.
SENSITIZATION: May occur on prolonged exposure.
SYNERGISTIC MATERIALS: None known.

4. FIRST AID MEASURES

EYES: Wash eyes with plenty of water for 15 minutes. Contact a physician.
SKIN: Wash well with soap and water.
INGESTION: Treat for alkalinity - give large amounts of water or milk for neutralization. Contact physician immediately.
INHALATION: N/Av

5. FIREFIGHTING MEASURES

FLAMMABILITY: No
COMBUSTIBLE: N/Av
HAZARDOUS COMBUSTION PRODUCTS: N/Av
SENSITIVITY TO IMPACT: Stable
SENSITIVITY TO STATIC DISCHARGE: Stable

6. ACCIDENTAL RELEASE MEASURES

MATERIAL SAFETY DATA SHEET

Product name: GLEAM II - ULTRASONIC CLEANING SOLUTION
Last revised date: 17-Jan-08
Print date: 5-Sep-10

Small spills can be wiped with absorbent paper. Large spills should be absorbed with sand, earth or similar material or mopped up and wash with water.

7. HANDLING AND STORAGE

Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: None required.
RESPIRATORY PROTECTION: No
EYE PROTECTION: Yes. Chemical safety goggles.
SKIN PROTECTION: Yes. Rubber gloves.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Opaque purple slightly viscous
ODOUR: Slight
PHYSICAL STATE: Liquid
pH: 10.5 - 11.0
BOILING POINT: Above 100°C
FREEZING POINT: Below 4°C
EVAPORATION RATE: N/Av
VISCOSITY @ 22 ± 1°C: 125 - 175 cps
VAPOUR PRESSURE (mmHg): N/Av
SPECIFIC GRAVITY @ 22 ± 1°C: 1.03 - 1.06
SOLUBILITY: N/Av

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID (STABILITY): None known.
INCOMPATIBILITY (MATERIALS TO AVOID): None.
HAZARDOUS DECOMPOSITION PRODUCTS: None known.
REACTIVITY CONDITIONS: None known.

11. TOXICOLOGICAL INFORMATION

N/Av

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Spilled detergent may be flushed into drain with water or absorption material may be disposed into sanitary land

MATERIAL SAFETY DATA SHEET

Product name: **GLEAM II - ULTRASONIC CLEANING SOLUTION**
Last revised date: 17-Jan-08
Print date: 5-Sep-10

fill. Dispose in accordance with Federal, Provincial and Municipal regulations.

14. TRANSPORT INFORMATION

Not regulated by TDG.

15. REGULATORY INFORMATION

N/Av

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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MATERIAL SAFETY DATA SHEET

Product name: **GZYME 3X**
Last revised date: 20-April-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Gzyme 3x
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: Concentrated Gzyme ultrasonic cleaner

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Propylene glycol
CAS NO 57-55-6 **% WT** 35 - 42
HAZARDOUS: May cause irritation to skin and eyes.

INGREDIENT: Triethanolamine
CAS NO 102-71-6 **% WT** 7 - 15
HAZARDOUS: May cause irritation to skin and eyes.

INGREDIENT: Boric acid
CAS NO 10043-35-3 **% WT** 3 - 6
HAZARDOUS: May cause irritation to skin, eyes and respiratory tract.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Harmful if swallowed. May cause eye and skin irritation.
INHALATION: May cause respiratory tract irritation.
INGESTION: May cause gastro-intestinal upset.
SKIN ABSORPTION: No adverse effects with normal skin.
SKIN CONTACT: May cause skin irritation.
EYE CONTACT: Eye irritant in case of direct contact.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, holding the eyelids open. If irritation persists, contact physician.
SKIN: Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before re-use.
INHALATION: Remove person to fresh air.
INGESTION: Induce vomiting immediately as directed by medical personnel. Contact a physician immediately.

MATERIAL SAFETY DATA SHEET

Product name: **GZYME 3X**
Last revised date: 20-April-08
Print date: 5-Sep-10

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Apply all-purpose type foams by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Water is suitable.

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

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. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

7. HANDLING AND STORAGE

HANDLING AND STORAGE: Keep away from heat in a cool well-ventilated area. Protect from freezing. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear blue to green colored liquid

ODOUR: Mild

PHYSICAL STATE: Liquid

PH @ 22°C: 7.00 - 9.00

BOILING POINT: Above 100°C

MELTING POINT: N/Av

FREEZING POINT: Below 0°C

SPECIFIC GRAVITY @ 22 ± 1°C: 1.000 - 1.200

EVAPORATION RATE: N/Av

SOLUBILITY IN WATER: Soluble

PROTEOLYTIC ACTIVITY: Min 0.217 AU/ml

10. STABILITY AND REACTIVITY

STABILITY: N/Av

CONDITIONS TO AVOID (STABILITY): N/Av

MATERIAL SAFETY DATA SHEET

Product name: **GZYME 3X**
Last revised date: 20-April-08
Print date: 5-Sep-10

INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizing materials

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

11. TOXICOLOGICAL INFORMATION

PROPYLENE GLYCOL Oral rat LD50 20g/kg
Dermal rabbit LD50 20.8g/kg
Eye irritation rabbit(Draize) 500 mg/24h, mild.

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
Skin irritation rabbit 560 mg/24h, mild
Eye irritation rabbit 20 mg, severe

BORIC ACID Oral rat LD50 2660 mg/kg
Oral woman LDLo 200 mg/kg
Investigated as a mutagen, tumorigen, reproductive effector.

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

UN HAZAARD CODE: Class 3, flammable liquids
DANGEROUS GOODS CLASSIFICATION: Category 4, poisonous substances
TRANSPORT HAZARD CLASS: N/Av

15. REGULATORY INFORMATION

N/Av

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

MATERIAL SAFETY DATA SHEET

Product name: **GZYME 3X**
Last revised date: 20-April-08
Print date: 5-Sep-10

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.

MATERIAL SAFETY DATA SHEET

Product name: IC-GEL
Last revised date: 28-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: IC-Gel
NPN: 02238250

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: Antiseptic skin cleanser

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Ethanol
CAS NO 64-17-5 **% WT** 63 - 77
HAZARDOUS: yes

INGREDIENT: Triethanolamine
CAS NO 102-71-6 **% WT** 0.1 - 0.5
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Harmful if swallowed. Causes severe eye irritation.

INHALATION: High vapor concentrations may cause a burning sensation in the throat and nose, stinging and watering in the eyes. At concentrations which cause irritation, dizziness, faintness, drowsiness, nausea and vomiting may also occur.

INGESTION: May cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, euphoria, abdominal discomfort, nausea, vomiting, staggering gait, lack of coordination and coma.

SKIN ABSORPTION: No adverse effects with normal skin. However, potentially harmful amounts of material may be absorbed across markedly abraded skin when contact is sustained, particularly in children.

SKIN CONTACT: No evidence of adverse effects from available information.

EYE CONTACT: Severe eye irritant in case of direct contact. Vapours can slightly irritate eyes. Eye damage from contact with liquid is reversible and proper treatment will result in healing within a few days. Damage is usually mild to moderate conjunctivitis, seen mainly as redness of the conjunctiva.

MATERIAL SAFETY DATA SHEET

Product name: IC-GEL
Last revised date: 28-Jan-08
Print date: 5-Sep-10

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 water for at least 15. 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. DO NOT INDUCE VOMITING. Contact physician immediately.

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Apply alcohol-type or all-purpose type foams by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Water is suitable only for small amounts.

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

6. ACCIDENTAL RELEASE MEASURES

Contain spilled material. Provide adequate ventilation. Remove sources of heat, sparks, and flames. 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, sparks, and flames in a cool well-ventilated area. Keep container closed when not in use. Avoid breathing vapours. Avoid contact with eyes. Take precautions to prevent static electricity build-up when transferring contents.

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.

MATERIAL SAFETY DATA SHEET

Product name: IC-GEL
Last revised date: 28-Jan-08
Print date: 5-Sep-10

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Semi-transparent, colorless
ODOUR: Characteristic mild ethyl alcohol
PHYSICAL STATE: Gel
PH: 6.5 - 7.8
BOILING POINT: 78°C
MELTING POINT: N/Av
FREEZING POINT: N/Av
SPECIFIC GRAVITY: 0.84 - 0.89
EVAPORATION RATE: 1.4
SOLUBILITY IN WATER: Soluble
VISCOSITY @ 22 ± 1°C: 1000 - 25000 cps
Flash point: 19.5°C

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID (STABILITY): Sources of ignition.
INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizing materials.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Burning can produce carbon monoxide and carbon dioxide, ammonia and nitrous oxides (small amounts).

11. TOXICOLOGICAL INFORMATION

ETHANOL Oral child (lowest published lethal dose) 2000 mg/kg
Oral mouse LD50 3450 mg/kg
Oral rat LD50 7060 mg/kg
Inhalation rat LC50 20000 ppm/10h

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
Skin irritation rabbit 560 mg/24h, mild
Eye irritation rabbit 20 mg, severe

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

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

MATERIAL SAFETY DATA SHEET

Product name: IC-GEL
Last revised date: 28-Jan-08
Print date: 5-Sep-10

14. TRANSPORT INFORMATION

UN HAZARD CODE: Class 3, flammable liquids
DANGEROUS GOODS CLASSIFICATION: Category 5-C1, Substances giving off inflammable vapors with flash point below 23° C
TRANSPORT HAZARD CLASS: N/Av

15. REGULATORY INFORMATION

N/Av

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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MATERIAL SAFETY DATA SHEET

Product name: MILD ALKALINE DETERGENT
Last revised date: 5-Sep-10
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Mild Alkaline Detergent
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: Concentrated manual and ultrasonic cleaner

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: N-Methyl 2-Pyrrolidone
CAS NO 872-50-4 **% WT** 12-19
HAZARDOUS: May cause irritation to skin and eyes.

INGREDIENT: Caprylyl Pyrrolidone
CAS NO 2687-94-7 **% WT** 0.8-1.3
HAZARDOUS: Corrosive. Causes eye burns. Causes permanent skin damage.

INGREDIENT: L(+) Lactic Acid
CAS No 79-33-4 **% wt** 0.7-1.4
HAZARDOUS: May cause irritation to eyes, skin and respiratory tract.

INGREDIENT: Sodium Nitrite
CAS No 7632-00-0 **% wt** 0.09-0.14
HAZARDOUS: May cause irritation to eyes, skin and respiratory tract

INGREDIENT: Sodium Hydroxide Pellets
CAS NO 1310-73-2 **% WT** 0.8-1.3
HAZARDOUS: Corrosive. May cause severe eye, skin burns. Corrosive to the respiratory passage.

INGREDIENT: Boric acid
CAS NO 10043-35-3 **% WT** 0.5 - 1.7
HAZARDOUS: May cause irritation to skin, eyes and respiratory tract.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Harmful if swallowed. May cause eye and skin irritation.
INHALATION: May cause respiratory tract irritation.
INGESTION: May cause gastro-intestinal upset.
SKIN ABSORPTION: No adverse effects with normal skin.
SKIN CONTACT: May cause skin irritation.
EYE CONTACT: Eye irritant in case of direct contact.

MATERIAL SAFETY DATA SHEET

Product name: MILD ALKALINE DETERGENT
Last revised date: 5-Sep-10
Print date: 5-Sep-10

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, holding the eyelids open. If irritation persists, contact physician.
SKIN: Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before re-use.
INHALATION: Remove person to fresh air.
INGESTION: Induce vomiting immediately as directed by medical personnel. Contact a physician immediately.

5. FIREFIGHTING MEASURES

FLAMMABILITY: N/Av
COMBUSTIBLE: Yes
EXTINGUISHING MEDIA: Apply all-purpose type foams by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Water is suitable.
HAZARDOUS DECOMPOSITION PRODUCTS: Nitrous oxides, carbon monoxide and carbon dioxide.

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. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

7. HANDLING AND STORAGE

HANDLING AND STORAGE: Keep away from heat in a cool well-ventilated area. Protect from freezing. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to pale yellow transparent liquid
ODOUR: Mild

MATERIAL SAFETY DATA SHEET

Product name: MILD ALKALINE DETERGENT
Last revised date: 5-Sep-10
Print date: 5-Sep-10

PHYSICAL STATE: Liquid
PH @ 22°C: 8.00-11.00
BOILING POINT: Above 100°C
MELTING POINT: N/Av
FREEZING POINT: Below 0°C
DENSITY @ 25 ± 1°C: 0.900 - 1.100
EVAPORATION RATE: N/Av
SOLUBILITY IN WATER: Soluble

10. STABILITY AND REACTIVITY

STABILITY: N/Av
CONDITIONS TO AVOID (STABILITY): N/Av
INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizing materials

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

11. TOXICOLOGICAL INFORMATION

N-METHYL 2-PYRROLIDONE Oral rat LD50 4,200 mg/kg
Dermal rat LD50 8,000 mg/kg
Accute inhalation rat >5.1 mg/L (4h)

CAPRYLYL PTRROLIDONE Oral rat LD50 2050 mg/kg
Dermal rabbit LD50 > 2000 mg/kg

LACTIC ACID Oral rat LD50 3730 mg/kg
Oral mouse LD50 4875 mg/kg
Dermal rabbit LD50 mg/kg

SODIUM NITRITE Oral mouse LD50 175 mg/kg
Oral rabbit LD50 186 mg/kg
Oral rat LD50 180 mg/kg

BORIC ACID Oral rat LD50 2660 mg/kg
Oral woman LDLo 200 mg/kg
Investigated as a mutagen, tumorigen, reproductive effector.

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

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

MATERIAL SAFETY DATA SHEET

Product name: MILD ALKALINE DETERGENT
Last revised date: 5-Sep-10
Print date: 5-Sep-10

14. TRANSPORT INFORMATION

COMBUSTIBLE
TOXIC

15. REGULATORY INFORMATION

N/Av

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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MATERIAL SAFETY DATA SHEET

Product name: DENTAVISION NEUTRAL DETERGENT
Last revised date: 27-Jan-09
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Dentavision Neutral Detergent
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: Surface and instrument cleaner

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

INGREDIENT: Isopropyl alcohol
CAS NO 67-63-0 **% WT** 3 - 8
HAZARDOUS: Harmful if swallowed, causes eye irritaion.

INGREDIENT: Glycol ether
CAS NO 000107-98-2 **% WT** 2 - 6
HAZARDOUS: Slightly irritant to eyes.

INGREDIENT: Triethanolamine
CAS NO 102-71-6 **% WT** < 0.1
HAZARDOUS: Harmful if swallowed, skin and eye irritant.

INGREDIENT: Sodium lactate
CAS No 72-17-3 **% WT** 1 - 3
HAZARDOUS: No

3. HAZARD IDENTIFICATION

INHALATION: N/Ap
INGESTION: May cause irritation or burns of mouth, throat and stomach
SKIN CONTACT: May cause irritaion with prolonged exposure
EYE CONTACT: Causes irritation in case of direct contact.

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: N/Ap

MATERIAL SAFETY DATA SHEET

Product name: DENTAVISION NEUTRAL DETERGENT
Last revised date: 27-Jan-09
Print date: 5-Sep-10

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

5. FIREFIGHTING MEASURES

FLAMABILITY: NO
COMBUSTIBLE: N/Av

6. ACCIDENTAL RELEASE MEASURES

Small spills can be wiped with absorbent paper. Large spills should be flushed with water and mopped.

7. HANDLING AND STORAGE

Keep away from heat, in a cool well-ventilated area at room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use adequate ventilation.
RESPIRATORY PROTECTION: Avoid breathing vapours.
EYE PROTECTION: Avoid contact with eyes.
SKIN PROTECTION: Gloves should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear colourless
ODOUR: Characteristic odour
PHYSICAL STATE: Liquid
pH: 6.0 - 8.0
BOILING POINT: N/Av
MELTING POINT: N/Av
FREEZING POINT: N/Av
SPECIFIC GRAVITY @ 25 ± 1°C: 1.000 - 1.100
EVAPORATION RATE: N/Av
SOLUBILITY IN WATER: Soluble

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID (STABILITY): None known
INCOMPATIBILITY (MATERIAL TO AVOID): None known
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known

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.

MATERIAL SAFETY DATA SHEET

Product name: DENTAVISION NEUTRAL DETERGENT
Last revised date: 27-Jan-09
Print date: 5-Sep-10

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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MATERIAL SAFETY DATA SHEET

Product name: **SUPERSONIC**
Last revised date: 14-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: SuperSonic
DIN: N/Ap

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: Ultrasonic cleaner.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Sodium Nitrite
CAS No 7632-00-0 **% wt** 1 - 5
HAZARDOUS: yes

INGREDIENT: Tetrasodium EDTA
CAS No 013235-36-4 **% wt** 5 - 30
HAZARDOUS: yes

INGREDIENT: Ethoxylated C12-15 Alcohols
CAS No 68131-39-5 **% wt** 1 - 5
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EYES: Product is alkaline. Will cause irritation. Extreme exposure can result in severe burns with possibility of blindness.

SKIN: Product is alkaline. Will cause irritation.

INGESTION: Swallowing may cause irritation or burns of mouth, throat, and stomach.

INHALATION: Breathing misted vapours can cause mild irritation to serious damage of the upper respiratory tract.

MATERIAL SAFETY DATA SHEET

Product name: **SUPERSONIC**
Last revised date: 14-Jan-08
Print date: 5-Sep-10

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 20 minutes, holding the eyelids open. Seek medical attention immediately.

SKIN: Flush contaminated area with water for at least 5 minutes. If irritation occurs, seek medical attention.

INGESTION: Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek medical attention immediately.

INHALATION: Remove victim to fresh air. Artificial respiration should be given if breathing has stopped and cardiopulmonary resuscitation if the heart has stopped. Oxygen may be given if necessary. Seek medical attention immediately.

NOTES TO PHYSICIAN: CONTAINS SODIUM NITRITE WHICH CONVERTS HEMAGLOBIN TO METHHEMAGLOBIN.

5. FIREFIGHTING MEASURES

FLAMMABILITY: No

COMBUSTIBLE: Yes

MEANS OF EXTINCTION: Extinguishing media appropriate to surrounding conditions.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes under fire conditions.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.

DISCHARGE: No

6. ACCIDENTAL RELEASE MEASURES

Flush small spills with water.

7. HANDLING AND STORAGE

Store at room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Necessary if mixture is to be sprayed or misted.

RESPIRATORY PROTECTION: Necessary if mixture is to be sprayed or misted. Use NIOSH approved device that will prevent vapours from entering the respiratory tract.

EYE PROTECTION: Yes. Protection in compliance with standards in protection from alkaline mixtures.

SKIN PROTECTION: Yes. Vinyl or latex chemical resistant gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Yes, protective clothing.

MATERIAL SAFETY DATA SHEET

Product name: **SUPERSONIC**
Last revised date: 14-Jan-08
Print date: 5-Sep-10

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Slightly viscous, bluish-purple
ODOUR: No discernable odour
PHYSICAL STATE: Liquid
pH: 11.0 - 11.6
BOILING POINT: N/Av
FREEZING POINT: N/Av
EVAPORATION RATE: N/Av
SPECIFIC GRAVITY @ 22 ± 1°C: 1.18 - 1.21
VISCOSITY: N/Av
VAPOUR PRESSURE (mmHg): N/Av
MISCIBILITY IN WATER: Complete

10. STABILITY AND REACTIVITY

STABILITY: Yes
CONDITIONS TO AVOID (STABILITY): N/Av
INCOMPATIBILITY (MATERIALS TO AVOID): Acids
HAZARDOUS DECOMPOSITION PRODUCTS: N/Av

11. TOXICOLOGICAL INFORMATION

SODIUM NITRITE Oral rat LD50 180 mg/kg
Oral rabbit LD50 178 mg/kg
Intravenous rat 65 mg/kg
TETRASODIUM EDTA Oral rat LD50 630 - 1260 mg/kg
ETHOXYLATED C12-15 ALCOHOLS Oral rat 2000 mg/kg

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste material should be disposed of in compliance with all federal, provincial and local government regulations.

14. TRANSPORT INFORMATION

Not regulated for transport.

15. REGULATORY INFORMATION

WHMIS CATEGORY: Class D-1B

MATERIAL SAFETY DATA SHEET

Product name: **SUPERSONIC**
Last revised date: 14-Jan-08
Print date: 5-Sep-10

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

Disclaimer

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MATERIAL SAFETY DATA SHEET

Product name: **Surgical Milk Concentrate**
Last revised date: 10-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Surgical Milk Concentrate
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: Surgical instrument lubricant.

2. COMPOSITION / INFORMATION ON INGREDIENTS

No hazardous ingredients.

3. HAZARD IDENTIFICATION

EYES: Slightly irritating.
SKIN: Slightly irritating.
INGESTION: Minimal gastrointestinal irritation, slightly toxic.
INHALATION: N/Av
IRRITANCY: May occur on prolonged or repeated exposure.
SENSITIZATION: May occur in sensitive or allergic people.
SYNERGISTIC MATERIALS: None known.

4. FIRST AID MEASURES

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

5. FIREFIGHTING MEASURES

FLAMMABILITY: N/Av
COMBUSTIBLE: N/Av

6. ACCIDENTAL RELEASE MEASURES

For small spills wipe with absorbent paper. For larger spills, mop up area or absorb with absorbent material.

7. HANDLING AND STORAGE

MATERIAL SAFETY DATA SHEET

Product name: **Surgical Milk Concentrate**
Last revised date: 10-Jan-08
Print date: 5-Sep-10

Store in a cool dry place, protect from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Adequate ventilation.
RESPIRATORY PROTECTION: No
EYE PROTECTION: Yes. Chemical splash goggles recommended.
SKIN PROTECTION: Yes. Rubber gloves.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Milky white liquid, oily to touch, may form gel-like droplets of oil after standing for several weeks which disappear upon shaking
ODOUR: Characteristic, faint
PHYSICAL STATE: Liquid
pH: 6.0 - 8.0
BOILING POINT: Approximately 100°C
FREEZING POINT: Below 4°C
EVAPORATION RATE: N/Av
SPECIFIC GRAVITY @ 22 ± 1°C: 0.98 - 1.02
VAPOUR PRESSURE (mmHg): N/Av
SOLUBILITY: N/Av

10. STABILITY AND REACTIVITY

STABILITY: Stable at normal conditions.
CONDITIONS TO AVOID (STABILITY): Excessive heat.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents (peroxides, chlorine, etc.)
HAZARDOUS DECOMPOSITION PRODUCTS: N/Av

11. TOXICOLOGICAL INFORMATION

None.

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.

MATERIAL SAFETY DATA SHEET

Product name: **Surgical Milk Concentrate**
Last revised date: 10-Jan-08
Print date: 5-Sep-10

15. REGULATORY INFORMATION

WHMIS CATEGORY: Non-hazardous

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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MATERIAL SAFETY DATA SHEET

Product name: **TRAY CLEAN**
Last revised date: 29-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Tray Clean
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: Dental impression cleaner.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Nitrol Triacidic Acetate
CAS No 18662-53-8 **% wt** 1 - 15
HAZARDOUS: Yes

INGREDIENT: Dodecyl Benzene Sulfonic Acid
CAS No 27176-87-0 **% wt** 5 - 15
HAZARDOUS: Yes

INGREDIENT: Benzotriazole
CAS No 95-14-7 **% wt** 0.1 - 2
HAZARDOUS: Yes

INGREDIENT: Isopropyl Alcohol
CAS No 67-63-0 **% wt** 1 - 10
HAZARDOUS: Yes

3. HAZARD IDENTIFICATION

EYES: Eye irritant.
SKIN: Skin irritant.
INGESTION: Gastro-intestinal irritation
INHALATION: Mild irritant.
SKIN ABSORPTION: None known.
IRRITANCY: Prolonged skin contact may result in irritation and dryness due to removal of skin oils.
SENSITIZATION: May occur on repeated exposure.
SYNERGISTIC MATERIALS: None known.

MATERIAL SAFETY DATA SHEET

Product name: TRAY CLEAN
Last revised date: 29-Jan-08
Print date: 5-Sep-10

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 20 minutes, holding the eyelids open. Seek medical attention immediately.

SKIN: Flush contaminated area with water for at least 20 minutes. If irritation occurs, seek medical attention.

INGESTION: Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek medical attention immediately.

INHALATION: Remove victim to fresh air. Seek medical attention immediately if difficulty in breathing occurs.

5. FIREFIGHTING MEASURES

FLAMMABILITY: No

COMBUSTIBLE: Yes

MEANS OF EXTINCTION: CO₂ Dry Chemical Media.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Small spills can be wiped with absorbent paper. Large spills should be absorbed with sand, earth or similar material or mopped up and wash with water.

7. HANDLING AND STORAGE

Store in cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Necessary if mixture is to be sprayed or misted.

RESPIRATORY PROTECTION: N/Av

EYE PROTECTION: Yes. Chemical splash goggles.

SKIN PROTECTION: Yes. Latex gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Amber coloured

ODOUR: Lemon

PHYSICAL STATE: Liquid

pH @ 22° ± 1°C: 8.0 - 9.0

BOILING POINT: N/Av

FREEZING POINT: N/Av

EVAPORATION RATE: N/Av

SPECIFIC GRAVITY @ 22 ± 1°C: 1.06 - 1.07

VISCOSITY: N/Av

MATERIAL SAFETY DATA SHEET

Product name: TRAY CLEAN
Last revised date: 29-Jan-08
Print date: 5-Sep-10

VAPOUR PRESSURE (mmHg): N/Av

SOLUBILITY: N/Av

10. STABILITY AND REACTIVITY

STABILITY: Yes

CONDITIONS TO AVOID (STABILITY): N/Av

INCOMPATIBILITY (MATERIALS TO AVOID): None

HAZARDOUS DECOMPOSITION PRODUCTS: N/Av

11. TOXICOLOGICAL INFORMATION

NITROL TRIACIDIC ACETATE Oral rat LD50 4200 mg/kg

DODECYL BENZENE SULFONIC ACID Oral rat LD50 890 mg/kg

BENZOTRIAZOLE Oral rat LD50 560 mg/kg

ISOPROPYL ALCOHOL Oral rat 4400 mg/kg

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: In accordance with local, federal or provincial law.

14. TRANSPORT INFORMATION

Not regulated by TDG.

15. REGULATORY INFORMATION

WHMIS CATEGORY: CLASS B-2

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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MATERIAL SAFETY DATA SHEET

Product name: **WIPES NOUVEAU**
Last revised date: 14-Jan-08
Print date: 5-Sep-10

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Wipes Nouveau
DIN: 02267276

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: A disposable towelette for hard surface disinfection.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Ethyl Alcohol
CAS No 64-17-5 **% wt** 79
HAZARDOUS: yes

INGREDIENT: o-Phenylphenol
CAS No 90-43-7 **% wt** 0.1
HAZARDOUS: yes

3. HAZARD IDENTIFICATION

EYES: Severe eye irritant. Vapours can irritate eyes.
SKIN: N/Av
INGESTION: Due to the ethanol content and amount consumed, may cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, euphoria, abdominal discomfort, nausea, vomiting, staggering gait, lack of coordination and coma.
INHALATION: Vapours may cause a burning sensation in the throat and nose.

4. FIRST AID MEASURES

EYES: Immediately wash eyes with water for at least 20 minutes, holding the eyelids open. Seek medical attention immediately.
SKIN: Wash contaminated area with water for at least 20 minutes. If irritation occurs, seek medical attention.
INGESTION: N/Av
INHALATION: Remove victim to fresh air. Artificial respiration should be given if breathing has stopped and cardiopulmonary resuscitation if heart has stopped. Oxygen may be given if necessary. Seek medical attention immediately.

NOTES TO PHYSICIAN: Symptoms of ethanol intoxication vary with the alcohol level of the blood. The unabsorbed ethanol should be removed by gastric lavage after intubating the patient to prevent aspiration. Avoid the use of depressant drugs or the excessive administration of fluids.

MATERIAL SAFETY DATA SHEET

Product name: WIPES NOUVEAU
Last revised date: 14-Jan-08
Print date: 5-Sep-10

5. FIREFIGHTING MEASURES

FLAMMABILITY: Yes
COMBUSTIBLE: Yes
CONDITIONS OF IGNITION: Heat, spark, or open flame.
MEANS OF EXTINCTION: Apply an alcohol-type or all-purpose-type foams, carbon dioxide or dry chemical media.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable traveling vapours form from this product and may be ignited by pilot lights, other flames, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from handling point.
HAZARDOUS COMBUSTION PRODUCTS: N/Av

6. ACCIDENTAL RELEASE MEASURES

Contain spilled material. Provide ventilation and protective equipment. Remove sources of heat, sparks or flames. Spill should be collected in suitable containers or absorbed on a suitable absorbent material for subsequent disposal.

7. HANDLING AND STORAGE

Keep away from heat, sparks and flames. Keep containers closed when not in use. Take precautions to prevent static electricity build-up when transferring contents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Local ventilation is recommended when handling.
RESPIRATORY PROTECTION: No
EYE PROTECTION: Yes. Chemical splash goggles.
SKIN PROTECTION: Yes. Latex, neoprene, butyl or natural rubber protective gloves.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colourless liquid into white, moist towels
ODOUR: Characteristic alcohol
PHYSICAL STATE: Liquid (which is absorbed into a towelette bundle)
pH: 7.50 - 9.00
BOILING POINT: 78°C at 760 mm Hg
FREEZING POINT: N/Av
EVAPORATION RATE: N/Av
SPECIFIC GRAVITY @ 22 ± 1°C: 0.820 - 0.870
VISCOSITY: N/Av
VAPOUR PRESSURE (mmHg): N/Av
SOLUBILITY: N/Av

MATERIAL SAFETY DATA SHEET

Product name: WIPES NOUVEAU
Last revised date: 14-Jan-08
Print date: 5-Sep-10

10. STABILITY AND REACTIVITY

STABILITY: Yes
CONDITIONS TO AVOID (STABILITY): N/Av
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS: N/Av

11. TOXICOLOGICAL INFORMATION

ETHYL ALCOHOL Oral rat LD50 7060 mg/kg
O-PHENYLPHENOL Oral rat LD50 2700 mg/kg

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste material should be disposed of in compliance with all federal, provincial, and local government regulations.

14. TRANSPORT INFORMATION

Class 3 UN1170 Packing group II .

15. REGULATORY INFORMATION

WHMIS CATEGORY: Exempt - Drug Product

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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