

Section I. Product Identification and Uses

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|----------------------------|---|------------------------------|--|
| | | HMIS (HFRP) | |
| | | Health Hazard | 2 |
| | | Fire Hazard | 0 |
| | | Reactivity | 0 |
| | | Personal Protection s | |
| Common / Trade name | GERMALIN CL.DEGR.DISINFECTANT | TDG | TDG Class 8: Corrosive liquid. |
| WHMIS | Corrosive, liquid. | PIN | UN1760, Corrosive liquid n.o.s. (Disodium trioxosilicate). |
| Code | 2006 | PG | III |
| Material uses | Industrial applications: Disinfectant, cleaner. | | |

Section II. Hazardous Ingredients

| Name | CAS # | % by weight | TLV/PEL | LC50/LD50 |
|---|------------|-------------|----------------|---|
| Tetrapotassium pyrophosphate | 7320-34-5 | 1-5 | Not available. | ORAL (LD50): Acute: 2980 mg/kg [Rat]. DERMAL (LD50): Acute: 7940 mg/kg [Rabbit]. |
| Ethoxylated C12-15 alcohol | 68131-39-5 | 1 - 5 | Not available. | ORAL (LD50): Acute: 4150 mg/kg [Rat]. DERMAL (LD50): Acute: > 2000 mg/kg [Rabbit]. |
| Sodium metasilicate, anhydrous | 6834-92-0 | 1 - 5 | Not available. | ORAL (LD50): Acute: 600 mg/kg [Rat]. |
| Alkyl dimethylbenzylammonium chloride | 68391-01-5 | 0.5 - 1.5 | Not available. | ORAL (LD50): Acute: 570 mg/kg [Rat]. |
| Alkyl dimethyl ethylbenzylammonium chloride | 68956-79-6 | 0.5 - 1.5 | Not available. | ORAL (LD50): Acute: 570 mg/kg [Rat]. |
| Tetrasodium ethylene diamine tetraacetate | 64-02-8 | 0.1 - 1.0 | Not available. | ORAL (LD50): Acute: > 2000 mg/kg [Rat]. |
| Ethyl alcohol | 64-17-5 | 0.1-1 | Not available. | ORAL (LD50): Acute: 8300 mg/kg [Mouse]. 13700 mg/kg [Rat]. 17750 mg/kg [Rat]. |

Section III. First Aid Measures

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| Eye contact | IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. |
| Skin contact | Remove the contaminated clothes as quickly as possible. Thoroughly wash the contaminated skin with running water. If irritation persists, seek medical attention. |
| Inhalation | Allow the victim to rest in a well ventilated area. Seek medical attention if discomfort persists. |
| Ingestion | DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention. |

Section IV. Physical Data

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|--------------------------------------|--|------------------------|--|
| Physical state and appearance | Liquid. (Clear.) | Colour | Green. |
| pH (1% soln/water) | 11.2 to 11.5 (Conc. (% w/w): 1) [Basic.] | Odour | Lemon like. |
| pH (concentrate) | 12.5-13.5 | Volatility | Not available |
| Boiling point | The lowest known value is 100°C (212°F) (Water). | Vapour density | Weighted average: 1 (Air = 1) |
| Specific gravity | 1.07-1.08 (Water = 1) | Vapour pressure | The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water). |
| Solubility | Miscible in water. | | |

Section V. Fire and Explosion Data

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|----------------------------------|--|
| The product is | Non-flammable. |
| Auto-ignition temperature | Not applicable. |
| Flash points | Not applicable. |
| Degradation products | Not applicable. |
| Extinguishing media | Use DRY chemicals, CO2, water spray or foam. |

Section VI. Reactivity data

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|-------------------------|---|
| Stability | The product is stable. |
| Decomp. products | See fire degradation products. |
| Reactivity | Incompatible with oxidizing agents, acids, reducing agents, metals. |

Section VII. Toxicological properties

Route of entry Ingestion. Inhalation. Skin contact. Eye contact.

Toxicity for animals See section II.

Acute effects Irritating to eyes and skin. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract.

Chronic effects Non-hazardous in case of inhalation. CARCINOGENIC EFFECTS: Classified None. MUTAGENIC EFFECTS: Classified None. for human [Silicic acid, disodium salt]. TERATOGENIC EFFECTS: Classified None. for human [Silicic acid, disodium salt]. DEVELOPMENTAL TOXICITY: Not toxic. The substance is toxic to lungs. Repeated or prolonged exposure to the substance can produce target organs damage.

Section VIII. Preventive measure

Waste disposal Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.

Storage Bases (alkalis) should be stored in a separate safety storage cabinet or room. Store in a dry, cool and well ventilated area.

Precautions Avoid contact with skin and eyes. Avoid breathing vapors of this product. Wear suitable protective clothing, gloves and eye/face protection.

Spill and leak Absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section IX. Personal protective equipment

Gloves Gloves.

Respiratory In case of insufficient ventilation, wear suitable respiratory equipment.

Eyes Splash goggles.

Other Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire, spill, or for prolonged contact with bulk quantities.

Eng. controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section X. Preparation and other Information

Validated by the Regulatory Affairs Department on 26 Jan. 2015

EMERGENCY: CANUTEC 613-996-6666

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of 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.

Annex A. Legend

HMIS Hazardous Materials Identification System

WHMIS WHMIS Workplace Hazardous Materials Information System

TDG Transport Dangerous Goods

PIN Product Identification Number

PG Packaging Group
