

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **GERMICIDE**

Product Use: Germicidal detergent-disinfectant

WHMIS Class: not regulated

TDG Classification: Not regulated

PIN Number: Not applicable

T.D.G. Shipping Name: Not applicable

DIN Number: 438405, PCP: 15247

Manufactured by:

Chemotec (PM) Inc.

8820 Place Ray Lawson

Anjou, Quebec, Canada H1J 1Z2

Telephone: (514) 729-6321; 1-800-729-6321

Emergency Phone: as above or call **CANUTEC** (613) 996-6666 in case of **chemical emergency only**.

SECTION 2: HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt %</u>	<u>TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Sodium phosphate tribasic	7601-54-9	3 - 7	n/a	n/a	7400 mg/kg (oral, rat)
Alkylphenol ethoxylate	9016-45-9	1 - 5	n/a	n/a	2590 mg/kg (oral, rat)
N-alkyl (C ₁₂ -C ₁₆) dimethylbenzylammonium chloride	68424-85-1	5 -10	n/a	n/a	n/a
Ethyl alcohol	64-17-5	0.1 -1	1000 ppm	8000 ppm/4h(rat)	7060 mg/kg (rat) 3450 mg/kg (mouse)

SECTION 3: PHYSICAL DATA

Boiling Point (°C): 100

Vapor Pressure (mm Hg): 20 (water)

Vapor Density (Air = 1): 0.6 (water)

Solubility in Water: Complete

Physical State: Liquid

Appearance and Odor: Yellow fluorescent
transparent liquid, with lemon odor.

Specific Gravity (H₂O = 1): 1.03 at 20 °C

% Volatile (Wt %): approx. 80

Evaporation Rate (nBUAC = 1): 0.4

pH (as supplied): 12.5 - 13.5

Viscosity: < 1000 cps at 25 °C

Freezing point: 0 °C

SECTION 4: FIRE AND EXPLOSION DATA

Flammability: Not flammable, not combustible.

Flash Point (TCC, °C): > 93.3 LEL: Not applicable UEL: Not applicable

Hazardous Combustion Products: Smoke, carbon oxides, nitrogen oxides.

Autoignition Temperature (°C): Not applicable.

Means of Extinction: Water, foam, dry chemicals, carbon dioxide.

Special Fire Hazards: A stream of water directed into the product generates a lot of foam.

SECTION 5: REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions. It does not polymerize.

Incompatible Materials: Strong oxidizing agents, strong concentrated acids.

Reactivity and Under What Conditions: May evolve heat.

Hazardous Decomposition Products: heat, carbon oxides, nitrogen oxides.

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Eyes, skin, ingestion, inhalation.

EFFECTS OF ACUTE EXPOSURE:

Eye: Irritant. Corrosive to the eyes.

Skin: Irritant. Severe irritation and burn on skin. May be harmful if absorbed through skin.

Ingestion: May cause burns of mouth, throat and stomach. May be harmful or fatal if swallowed.

Inhalation: Breathing high concentration may cause headache, nausea, cough, stomach pains and breathing difficulties.

EFFECTS OF CHRONIC EXPOSURE:

Our products are not tested on animals. The following information is based on the ingredients used in the product.

Irritancy: Prolonged or repeated contacts with skin may cause irritation: skin dryness, redness, dermatitis.

Skin Sensitization: None of the ingredients are known to us to be skin sensitizers.

Carcinogenicity: None of the ingredients are carcinogenic.

Teratogenicity: None of the ingredients are known to us to be teratogens.

Mutagenicity: None of the ingredients are known to us to be mutagenic.

Synergistic Materials: No materials are known to be synergistic.

SECTION 7: PREVENTATIVE MEASURES

Gloves: Plastic or rubber gloves

Eye Protection: Safety glasses with side shields to manipulate large quantities.

Respiratory Protection: Not required, if adequate ventilation is available.

Other Protective Equipment: Waterproof boots if large spill.

Engineering Controls: Shower and eye wash station if large quantities are manipulated. Provide adequate ventilation.

Leak and Spill Procedure: Wear personal protective equipment. Stop the leak. Pump the product into drums for disposal, or clean up spills using absorbent material and place in waste container for destruction. Resume cleaning by rinsing with water.

Waste Disposal: Dispose according to existing federal, provincial and municipal regulations.

Storage Requirements: Keep in original tightly closed containers, in a well ventilated room. Keep from freezing.

SECTION 8: FIRST AID

Eye: Immediately flush eyes with plenty of water for 15 minutes, keeping eyelids open. Seek medical attention.

Skin: Immediately rinse with plenty of water for 15 minutes. Remove soiled clothes and wash before wearing. Seek medical attention.

Inhalation: Bring the person to fresh air. If symptoms persist, seek medical attention.

Ingestion: Drink a large quantity of water or milk. Do not induce vomiting. Seek immediate medical attention.

SECTION 9: PREPARATION INFORMATION

Date: 2009-03-04

Phone: (514) 729-6321

Prepared by:

Chemotec (PM) Inc.

Abbreviation:

n/a: not available

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal (514-873-3990).