

I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0590

PRODUCT NAME: **D-GERM**

USE: Toilet Bowl Cleaner

PCP # 13921

SUPPLIER:

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: exempt

CHEMICAL FAMILY: Mineral Acid

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Phosphoric acid	10-30	007664-38-2	LD50 1530 mg/kg	oral/rat
Hydrochloric acid	3-7	007647-01-0	LD50 900 mg/kg	oral/rab
Isopropanol	10-30	000067-63-0	LD50 5045 mg/kg	oral/rat
Dodecylbenzenesulphonic acid	10-30	027176-87-0	LD50 650 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Neoprene or Nitrile

Eye: safety glasses

Footwear: not required

Respiratory: If mists are generated, use NIOSH approved mask

Other: not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT:

Use only in well ventilated area. Do not expose to spark or open flame. If this product is sprayed, workers should be equipped with acid resistant impermeable clothing, gloves and footwear. Respiratory protection may be required in enclosed areas.

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): Alkalis, soft metals, chlorine bleaches

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Neutralize with soda ash or sodium bicarbonate. Mop up or soak up with absorbent clay for disposal. Wash spill area with large volumes of water.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. UN2920

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Green opaque liquid - mild odour

S.G. / BULK DENSITY(g/cc): 1.08

pH: (1% solution): 1.5

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not available

BOILING POINT: 94°C

FREEZING POINT: not available

PERCENT VOLATILE: 65%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): not available

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.

SKIN: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.

INGESTION: Corrosive. May cause severe irritation of the digestive tract. May cause permanent damage if not treated promptly.	
INHALATION: Breathing mist may cause respiratory irritation.	
LD50 (calculated): 2400 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: TLV: (Orthophosphoric Acid) TWA 1 mg/m3, STEL 3 mg/m3; TLV-CL (as hydrogen chloride) 5 ppm; TLV-TWA (isopropyl alcohol) 520 mg/m3	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Prolonged or repeated contact with skin can cause dermatitis.	
VI - FIRST AID MEASURES	
EYES: Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.	
SKIN: Flush affected area thoroughly with water. If irritation develops, contact a physician.	
INGESTION: Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.	
INHALATION: Remove patient to fresh air.	
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: Yes, ignited by spark or open flame.	
FLASH POINT, °C: 33°C, TCC	AUTO IGNITION TEMPERATURE, °C: N/Ap.
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear respiratory protection.	
HAZARDOUS COMBUSTION PRODUCTS: Hydrogen chloride gas. Oxides of carbon.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: High temperatures	
INCOMPATIBILITY (Material to Avoid) : Alkalis, soft metals, chlorine bleaches	
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with soft metals forms flammable hydrogen gas. Contact with sulfites and sulfides or Chlorine Bleach could release toxic gases. Contact with alkali will generate heat.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: MSDS, RTECS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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