



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0957

PRODUCT NAME: **DUZYME**

USE: Digester for Grease Traps, Drains and Septic Systems

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B

CHEMICAL FAMILY: Enzyme

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Disodium phosphate	15-40	007558-79-4	LD50 17000 mg/kg	oral/rat
Enzyme	10-20	N/A	N/A	N/A
Alcohol ethoxylate	3-7	063526-94-3	LD50 2500 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Natural Rubber, Neoprene, Nitrile Eye: safety glasses Footwear: not required

Respiratory: NIOSH approved dust mask as required. Other: not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact.

VENTILATION REQUIREMENTS: General ventilation

INCOMPATIBILITY (Material to Avoid): Strong acids, alkalis or biocides may inactivate biological cultures.

SPILL PROCEDURES: Small spills may be flushed down the drain. Large spills, if uncontaminated, may be returned to container.

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

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. Do not store above 40°C. Do not store below 5 °C.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: White powder

S.G. / BULK DENSITY(g/cc): not available

pH: (10% Solution) 7.5

VAPOUR PRESSURE (mmHg): not applicable

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not available

BOILING POINT: not applicable

FREEZING POINT: not applicable

PERCENT VOLATILE: 0%

SOLUBILITY IN WATER: dispersible

EVAPORATION RATE (water=1): not applicable

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause irritation.

SKIN: May cause irritation

INGESTION: May cause irritation of the digestive tract. May cause nausea and diarrhea.

INHALATION: Breathing dust may cause respiratory irritation.

LD50 (calculated): not available

LC50 (calculated): not available

OTHER TOXIC EFFECTS: none known

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Repeated or prolonged exposure may cause respiratory sensitization and allergic response in hypersensitive individuals.

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: Wash affected area thoroughly with soap and water. If irritation develops, contact a physician.

INGESTION: Drink large volumes of water. Never give anything by mouth to an unconscious patient. Contact a physician immediately.

INHALATION: Remove patient to fresh air. Get medical attention for any breathing difficulty.

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: No

FLASH POINT, °C: not applicable

AUTO IGNITION TEMPERATURE, °C: N/Ap.

EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen, sulphur.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable []

CONDITIONS TO AVOID: not applicable

INCOMPATIBILITY (Material to Avoid) : not applicable

HAZARDOUS DECOMPOSITION PRODUCTS: not applicable

REACTIVITY: not dangerously reactive

IX - MSDS PREPARATION

SOURCES USED: RTECS

PREPARED BY: JohnsonDiversey Canada. Inc.
Regulatory Department
Institutional Division
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PREPARATION DATE: April 15, 2003

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