



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 31647

PRODUCT NAME: B.I.O. FIX 1000**USE:** Halogen Stabilizer**SUPPLIER:**

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B**CHEMICAL FAMILY:** alkali**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium hydroxide	1 - 5	001310-73-2	LDLo 500 mg/kg	oral/rab
5,5-Dimethylhydantoin	10 - 20	77-71-4	LD50 >10000 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Neoprene**Eye:** Safety goggles**Footwear:** Not required**Respiratory:** If conditions exceed TLV NIOSH approved respirator is required.**Other:** not required**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and skin contact.**VENTILATION REQUIREMENTS:** General ventilation**INCOMPATIBILITY (Material to Avoid):** Oxidizing agents**SPILL PROCEDURES:** Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal. Wash spill area with large volumes of water.**WASTE DISPOSAL:** Dispose of according to municipal, provincial, and federal regulations.**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear colourless liquid**S.G. / BULK DENSITY(g/cc):** 1.05**pH:** 9.0 - 10.0**VAPOUR PRESSURE (mmHg):** not determined**VAPOUR DENSITY (air=1):** Not determined.**ODOUR THRESHOLD:** not determined**BOILING POINT:** Not determined.**FREEZING POINT:** not determined**PERCENT VOLATILE:** 85**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** Not determined.

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** May cause irritation.**SKIN:** May cause irritation.**INGESTION:** May cause irritation.**INHALATION:** Breathing mists may cause respiratory irritation.**LD50 (calculated):** 4,600**LC50 (calculated):**

OTHER TOXIC EFFECTS: Sodium Hydroxide TLV-CL 2 mg/m3

EFFECTS OF CHRONIC None known

EXPOSURE TO MATERIAL:

VI - FIRST AID MEASURES

EYES: Flush eyes with plenty of water. If irritation develops, contact a physician.

SKIN: Flush affected area thoroughly with water. If irritation develops, contact a physician.

INGESTION: Do not induce vomiting. Drink large volumes of water or milk. Never give anything by mouth to an unconscious patient.

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: not applicable

EXTINGUISHING MEDIA: Water ☒ Dry Chemical ☒ Carbon Dioxide ☒ Foam ☒ Other ☐

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable ☒ Unstable ☐

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (Material to Avoid) : Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon. Oxides of nitrogen

REACTIVITY: Not dangerously reactive.

IX - MSDS PREPARATION

SOURCES USED: Supplier MSDS

PREPARED BY: JohnsonDiversey Canada, Inc.
Regulatory Department
Industrial Division
Phone (905) 829-1200

PREPARATION DATE: September 18, 2003

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