OXIDASE REAGENT

BECTON DICKINSON

MSDS: 1-6
OXIDASE REAGENT
NFPA HAZARD RATING:

HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
SPECIAL:

EMERGENCY TELEPHONE: (816) 966-5000
ISSUE DATE: Nov 9 1984
MANUFACTURER: BECTON DICKINSON
P.O. BOX 243
250 SCHILLING CIRCLE
COCKEYSVILLE, MD 21030
(800) 368-8663

I - IDENTIFICATION

TRADE NAME: Oxidase Reagent
CHEMICAL FAMILY:

II - NORMAL HANDLING PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry, well-ventilated area. Keep container closed. Avoid breathing mist or fumes.

PROTECTIVE EQUIPMENT:
EYE: Splashproof goggles or face shield.
GLOVES: Impervious gloves
RESPIRATOR: None required
OTHER PROTECTIVE EQUIPMENT: None required
VENTILATION REQUIREMENTS: None beyond normal good room ventilation.

III - HAZARDOUS INGREDIENTS

BASIC MATERIAL: Tetramethyl-p-phenylenediamine dihydrochloride
APPROXIMATE OR MAXIMUM % WT: 1
ESTABLISHED OSHA STANDARD: None established

TOXIC HAZARD DATA:
LD50: 500 mg/kg
LC50:
SIGNIFICANT EFFECTS: LDL0 oral (rat)

BASIC MATERIAL: Hydrochloric acid
APPROXIMATE OR MAXIMUM % WT: Trace
ESTABLISHED OSHA STANDARD: 5 ppm

TOXIC HAZARD DATA:
LD50:
LC50: 3124 ppm
SIGNIFICANT EFFECTS: (Rat) burns to eyes, skin and mucous membranes

IV - HEALTH HAZARD DATA

EXPOSURE LIMITS: 5 ppm for hydrochloric acid
THRESHOLD LIMIT VALUE: 5 ppm for hydrochloric acid
EFFECTS OF OVEREXPOSURE: Burns to eyes, skin and mucous membranes.

EMERGENCY AND FIRST AID PROCEDURES:
SKIN AND EYES: Flush with flowing water for 15 minutes. Call Physician. Wash skin twice with soap and water. Consult physician if irritation exists.
INGESTION: Drink large amounts of water or milk. Do NOT induce vomiting. Call a physician immediately.
INHALATION: Remove victim to fresh air, call a physician.

V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NA

METHOD USED:
FLAMMABLE (EXPLOSIVE LIMITS): NA
UPPER: --
LOWER: --

EXTINGUISHING MEDIA: Water (product is not combustible)
SPECIAL FIRE FIGHTING PROCEDURES: Do not splash
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

VI - TOXICOLOGY

CARCINOGENIC: Not known to be
MUTAGENIC: Not known to be
EYE IRRITATION: Corrosive

PRIMARY SKIN IRRITATION: Corrosive
ACUTE ORAL LD50: NA
ACUTE DERMAL TOXICITY: NA
ACUTE INHALATION TOXICITY: HCl - 3124 ppm (rat)
PRINCIPLE ROUTES OF ABSORPTION: Direct contact. Inhalation.
RELEVANT SYMPTOMS OF EXPOSURE: Burns to eyes, skin and mucous membranes
EFFECTS OF CHRONIC EXPOSURE: None except those secondary to repeated tissue ulceration

VII - SPILL OR LEAK CONTROL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Wear protective equipment in section II. Neutralize spill with soda ash or slaked lime. Dispose of as given below.
WASTE DISPOSAL METHOD (FOLLOW ALL APPLICABLE LAWS & REGULATIONS - FEDERAL, STATE, & LOCAL): Flush spill to drain with plenty of water in accordance with RCRA and applicable state and local regulations.

VIII - REACTIVITY DATA

STABLE: X
UNSTABLE: -- AT -- deg F -- deg C
HAZARDOUS REACTION OR POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: None
INCOMPATIBILITY (Material to Avoid): Alkalies
HAZARDOUS DECOMPOSITION PRODUCTS: None

IX - PHYSICAL DATA

FREEZE POINT: NA deg F NA deg C
SPECIFIC GRAVITY (H2O = 1): NA
SOLUBILITY IN WATER: Complete
BOILING POINT: NA deg F NA deg C
VOLATILES: Water 98.8 WT%
PH ( % SOLUTION): 1.9
APPEARANCE: Clear colorless liquid
ODOR: Irritating
MILD STEEL (SAE 1020): -- MPY
STAINLESS STEEL (304): -- MPY
ALUMINUM (7075-T-6): -- MPY
X - OTHER PRECAUTIONS

TOXICOLOGY INFORMATION BY:
EMERGENCY PHONE: (816) 966-5000
OTHER INFORMATION BY: Regulatory Compliance
EMERGENCY PHONE: (816) 966-5000

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