

K 80557

M61
84-8211
84-8213

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME: BIURET REAGENT
SIZE: 120ML, 500ML
CHEMICAL NAME: DOES NOT APPLY
FORMULA: SODIUM HYDROXIDE (30% SOLUTION)-68.96ML
CUPRIC SULFATE (10% SOLUTION)-20.69ML
ETHYLENE GLYCOL-10.35ML
MANUFACTURER: CAROLINA BIOLOGICAL SUPPLY COMPANY
ADDRESS: 2700 YORK ROAD
BURLINGTON, NC 27215
FOR INFORMATION ON HEALTH HAZARDS CALL: (919) 584-0381
FOR OTHER INFORMATION CALL: (919) 584-0381
DATE: REVISED 12/4/85

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

PRINCIPAL HAZARDOUS COMPONENTS (%):
SODIUM HYDROXIDE-34%
TLV (UNITS): 1PPM/M3 AS MIST.

SECTION III PHYSICAL DATA

BOILING POINT (F): NO INFORMATION AVAILABLE
VAPOR PRESSURE (MM HG.): NO INFORMATION AVAILABLE
VAPOR DENSITY (AIR=1): NO INFORMATION AVAILABLE
SPECIFIC GRAVITY (H2O=1): NO INFORMATION AVAILABLE
PERCENT VOLATILE BY VOLUME (%): NO INFORMATION AVAILABLE
EVAPORATION RATE (=1): NO INFORMATION AVAILABLE
SOLUBILITY IN WATER: 100%
APPEARANCE AND ODOR: PURPLE LIQUID

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NOT COMBUSTIBLE
EXTINGUISHER MEDIA: ANY MEDIA SUITABLE FOR EXTINGUISHING SUPPORTING FIRE.
FLAMMABLE LIMITS IN AIR % BY VOL.: NO INFORMATION AVAILABLE
AUTOIGNITION TEMPERATURE: NO INFORMATION AVAILABLE
SPECIAL FIRE FIGHTING PROCEDURES: KEEP CONTAINERS COOL BY SPRAYING WITH WATER. USE CARE NOT TO SPLASH THE MATERIAL.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NOT COMBUSTIBLE. HIGHLY CORROSIVE! CONTACT WITH SOME METALS CAN GENERATE HYDROGEN GAS.

SECTION VI HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II
EFFECTS OF OVER EXPOSURE: TOXICITY HIGH VIA ORAL ROUTE. SPEED IS ESSENTIAL. CONJUNCTIVITIS, DEEP SKIN BURNS, IRRITATION OF RESPIRATORY TRACT (FROM MISTS), VOMITING, ABDOMINAL PAIN AND DIARRHEA.
ACUTE OVEREXPOSURE: NO INFORMATION AVAILABLE
CHRONIC OVEREXPOSURE: NO INFORMATION AVAILABLE
EMERGENCY AND FIRST AID PROCEDURES:
INHALATION: REMOVE TO FRESH AIR.
EYES: IRRIGATE WITH LARGE AMOUNTS OF WATER. CALL A PHYSICIAN.
SKIN: WASH WITH SOAP AND WATER. FINAL RINSE WITH 5% ACETIC ACID OF

VINEGAR. RINSE AGAIN. CALL A PHYSICIAN.

INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING! CONSULT A PHYSICIAN. GASTRIC LAVAGE WITH 5% ACETIC ACID OR VINEGAR FOLLOWED BY INSTILLATION OF OLIVE OIL OR DEMULCENTS.

SECTION VI REACTIVITY DATA

STABILITY:

UNSTABILITY:

STABLE: X

CONDITIONS TO AVOID: NO INFORMATION AVAILABLE

INCOMPATIBILITY (MATERIALS TO AVOID): ACIDS, METALS AND FLAMMABLE LIQUIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: NO INFORMATION AVAILABLE

HAZARDOUS POLYMERIZATION:

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: NO INFORMATION AVAILABLE

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SLOWLY NEUTRALIZE WITH DILUTE HYDROCHLORIC OR DILUTE SULFURIC ACID. WIPE WITH MOP, DRAIN INTO A SEWER WITH SUFFICIENT WATER.

WASTE DISPOSAL METHOD: TRANSFER INTO A LARGE VESSEL CONTAINING WATER.

SLOWLY NEUTRALIZE WITH DILUTE HYDROCHLORIC OR DILUTE SULFURIC ACID.

DISCHARGE INTO SEWER WITH SUFFICIENT WATER.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): MISTS RESPIRATOR (NIOSH APPROVED)

VENTILATION:

LOCAL EXHAUST:

MECHANICAL (GENERAL): X

SPECIAL:

OTHER:

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: SPLASH-PROOF GUGGLES AND FACE SHIELD; DO NOT WEAR

CONTACT LENSES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: LAB COAT, RUBBER APRON, EYE

WASH, AND SAFETY SHOWER

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: PROTECT AGAINST PHYSICAL DAMAGE. STORE IN A COOL, DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED.

OTHER PRECAUTIONS: CORROSIVE! THIS ITEM IS A STRONG CAUSTIC MATERIAL. SEPARATE FROM ACIDS, METALS, EXPLOSIVES, ORGANIC PEROXIDES AND EASILY COMBUSTIBLE MATERIALS.

APPROVED BY: DAN THOMAS