

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME: SELIWANOFF REAGENT
SIZE: 500ML
CHEMICAL NAME: NONE
FORMULA: DISTILLED WATER.....66.67ML
HYDROCHLORIC ACID.....33.33ML
RESORCINOL.....0.05G
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: 12/2/85

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

PRINCIPAL HAZARDOUS COMPONENTS (%): HYDROCHLORIC ACID 12%
TLV (UNITS): HYDROCHLORIC ACID 5PPM, TXDS IHL-HMN LCLO: 1000PPM/1M

SECTION III PHYSICAL DATA

BOILING POINT (F.): NO INFORMATION AVAILABLE
VAPOR PRESSURE (MM HG.): NO INFORMATION AVAILABLE
VAPOR DENSITY (AIR=1): 1.268 (HYDROCHLORIC ACID)
SPECIFIC GRAVITY (H2O=1): NO INFORMATION AVAILABLE
PERCENT VOLATILE BY VOLUME (%): 99%
EVAPORATION RATE (=1): NO INFORMATION AVAILABLE
SOLUBILITY IN WATER: NO INFORMATION AVAILABLE
APPEARANCE AND ODOR: CLEAR LIQUID WITH PUNGENT ODOR.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NONFLAMMABLE
EXTINGUISHER MEDIA: ANY MEDIA SUITABLE FOR EXTINGUISHING THE SUPPORTING FIRE.
FLAMMABLE LIMITS IN AIR % BY VOL.: NO INFORMATION AVAILABLE
AUTOIGNITION TEMPERATURE: NO INFORMATION AVAILABLE
SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE CLOTHING.
UNUSUAL FIRE AND EXPLOSION HAZARDS: CONTACT WITH METALS MAY PRODUCE HYDROGEN WHICH FORMS EXPLOSIVE MIXTURES WITH AIR.

SECTION VI HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II
EFFECTS OF OVER EXPOSURE: CORROSIVE BY LIQUID OR FUME CONTACT
ACUTE OVEREXPOSURE: CHEMICAL BURNS, CORNEAL NELROSIS, NASOSEPTIC PERFORATION, DENTAL EROSION, BRONCHITIS, PNEUMONIA, PALPITATION.
CHRONIC OVEREXPOSURE: NO INFORMATION AVAILABLE

EMERGENCY AND FIRST AID PROCEDURES: IN ALL CASES OF OVEREXPOSURE, CONTACT A PHYSICIAN IF SYMPTOMS OF OVEREXPOSURE PERSIST.

INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION AS REQUIRED. CONSULT A PHYSICIAN.

EYES: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES HOLDING LIDS APART. CONSULT A PHYSICIAN.

SKIN: FLUSH WITH LARGE AMOUNTS OF WATER. CONSULT A PHYSICIAN.

INGESTION: DO NOT INDUCE VOMITING; DRINK MILK OR WATER IF CONSCIOUS. CONTACT A PHYSICIAN IMMEDIATELY.

SECTION VI REACTIVITY DATA

STABILITY:

STABLE: X

UNSTABLE:

CONDITIONS TO AVOID: NO INFORMATION AVAILABLE

INCOMPATIBILITY (MATERIALS TO AVOID): BASES, METALS, METAL OXIDES, AMINES, CARBONATES, ALKALIES

HAZARDOUS DECOMPOSITION PRODUCTS: TOXIC HYDROGEN CHLORIDE GAS

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: COVER THE SPILL WITH VERMICULITE OR ANOTHER ABSORBENT. NEUTRALIZE THE SPILL WITH SODIUM CARBONATE OR A SODA ASH/SKAKED LIME MIXTURE. WHEN NEUTRALIZED, SCOOP THE MATERIAL INTO PLASTIC BAGS FOR DISPOSAL.

WASTE DISPOSAL METHOD: DISPOSE OF ACCORDING TO LOCAL ENVIRONMENTAL REGULATIONS.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREA.

VENTILATION:

LOCAL EXHAUST: X(FUME HOOD)

MECHANICAL (GENERAL):

SPECIAL:

OTHER:

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: SPLASH-PROOF, VAPOR-PROOF GOGGLES/FACE SHIELD, DO NOT WEAR CONTACT LENSES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: LAB COAT/APRON, EYE WASH, AND SAFETY SHOWER

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP CONTAINER CLOSED AND PROTECTED AGAINST PHYSICAL DAMAGE. STORE IN A COOL, WELL-VENTILATED AREA SEPARATED FROM INCOMPATIBLE MATERIALS. SEPARATE CONTAINERS WITH CAUTION.

OTHER PRECAUTIONS: NO INFORMATION AVAILABLE

APPROVED BY: MARY ANN FOUST