

10% NEUTRAL BUFFERED FORMALIN,V/V

MSDS Number

BNCLX

National Stock Number

6550-01-275-3993

Product Name

10% NEUTRAL BUFFERED FORMALIN,V/V

Manufacturer

RICHARD ALLAN MEDICAL INDUSTRIES INC

Product Identification

Product ID:10% NEUTRAL BUFFERED FORMALIN,V/V

MSDS Date:07/22/1992

FSC:6550

NIIN:01-275-3993

MSDS Number: BNCLX

Responsible Party

RICHARD-ALLAN MEDICAL INDUSTRIES INC

8850 M89 HWY

RICHLAND , MI 49083

US

Emergency Phone: 616-629-5811/800-424-9300(CHEMTREC)

Info Phone: 616-629-5811/616-385-4466

Cage: 51883

Contractor

RICHARD-ALLAN MEDICAL INDUSTRIES

351

RICHLAND, MI 49083

US

616-385-4466

Cage: 51883

Ingredients

FORMALDEHYDE (SARA III) 3.7% W/V

CAS: 50-00-0

RTECS: LP8925000

Fraction By Weight: 10%(V/V)

OSHA PELSEE 1910.1048

ACGIH TLV: C 0.3 PPM; A2; 9293

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

METHYL ALCOHOL (METHANOL) (SARA III)

CAS: 67-56-1

RTECS: PC1400000

Fraction By Weight: 0.11%V/V

OSHA PELS,200PPM/250STEL

ACGIH TLV: S,200PPM/250STEL; 93

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ACUTE-EYE:MAY CAUSE INJURIES & LOSS OF VISION.SKIN:SEVERE IRRITANT & SENSITIZER. INHALATION:HIGHLY IRRITATING TO THE UPPER RESPIRATORY TRACT,NOSE, THROAT & EYES. INGESTION:MAY CAUSE IRRITATION OF GI T RACT. CHRONIC-HAS POTENTIAL TO CAUSE CANCER.

Explanation of Carcinogenicity:CONTAINS F [50-00-0] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:EYE:PAIN, REDNESS, & LOSS OF VISION.

SKIN:SEVERE IRRITATION, DISCOLORATION, DRYING, CRACKING. INHLATION: COUGHING AND IRRITAION. INGESTION: NAUSEA, VOMITING, PAIN, UNCONSCIOUSNESS & DEATH.

Medical Cond Aggravated by Exposure:PREVIOUSLY EXPOSED PERSONS MAY REACT TO FUTURE EXPOSURES WITH AN ALLERGIC ECZEMATOUS DERMATITIS OR HIVES.

First Aid

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:WASH WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN. INHALATION:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. INGESTI ON:IF CONSCIOUS, DRINK MILK/ACTIVATED CHARCOAL SLURRY/WATER. GET IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS,KEEP HEAD LOWER THAN HIPS.

Fire Fighting

Flash Point Method:TCC

Flash Point:>140F,>60C

Autoignition Temp:Autoignition Temp Text:806F

Lower Limits:7

Upper Limits:73

Extinguishing Media:WATER FOG,CO2,ALCOHOL FOAM/DRY CHEMICAL.WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY

Fire Fighting Procedures:WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF STORAGE TANK DUE TO FIRE.

Unusual Fire/Explosion Hazard:REACTION OF FORMALDEHYDE WITH NITROGEN DIOXIDE, NITROMETHANE, PERCHLORIC ACID AND ANILINE OR PEROXYFORMIC ACID YIELDS EXPLOSIVE COMPOUNDS.

Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN THE SPILL. ABSORB IN INERT ABSORBENT MATERIAL AND PLACE IN CONTAINERS. PREVENT ENTERING WATERWAYS/SEWERS.

Neutralizing Agent:SODIUM HYDROXIDE OR SODIUM SULFITE

Handling

Handling and Storage Precautions:STORAGE-KEEP CONTAINER CLOSED. KEEP AWAY FROM HEAT & OPEN FLAME. DO NOT STORE BELOW 15C(59F).

Other Precautions:KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN. THIS PRODUCT FOR INDUSTRIAL USE ONLY. DO NOT USE IN CLOSED SPACE. AVOID BREATHING VAPORS OR MISTS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WAS H THOROUGHLY AFTER HANDLING.

Exposure Controls

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH-APPROVED RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, USE SELF- CONTAINED BREATHING APPARATUS.

Ventilation:GENERAL MECHANICAL VENTILATION OR FUME HOOD

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES/FACE SHIELD

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

Chemical Properties

HCC:T6

Boiling Pt:B.P. Text:204F,96C

Vapor Pres:19

Vapor Density:1.1

Spec Gravity:1.109

Evaporation Rate & Reference:0.43 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID, PUNGENT ODOR

Percent Volatiles by Volume:98

Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, PHENOL, STRONG ACIDS OR ALKALIES, NITROGEN DIOXIDE+NITRO-METHANE+PERCHLORIC ACID

Stability Condition to Avoid:HEAT, SPARKS, FLAME

Hazardous Decomposition Products:OCCURS SLOWLY AT ELEVATED TEMPERATURES, RELEASING FORMALDEHYDE GAS.

Conditions to Avoid Polymerization:MAY SELF-POLYMERIZE TO FORM PARAFORMALDEHYDE, WHICH PRECIPITATES, AND TRIOXANE.

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. FORMALDEHYDE IS CONSIDERED TO BE A HAZARDOUS WASTE PER RCRA HAZARDOUS WASTE CODE U122. IF THE SPILL IS GREATER THAN 10,000 LB/ D AY, IT IS REPORTABLE UNDER EPA'S SUPERFUND LEGISL.

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