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RICHARD-ALLAN MEDICAL INDUSTRIES -- 10% NEUTRAL BUFFERED FORMALIN V/V

6550-01-246-8234

============= Product Identification =================

Product ID:10% NEUTRAL BUFFERED FORMALIN V/V

MSDS Date:09/01/1991

FSC:6550

NIIN:01-246-8234

MSDS Number: BNVDR === Responsible Party ===

Company Name: RICHARD-ALLAN MEDICAL INDUSTRIES

Address:8850 M89

Box:351

City:RICHLAND

State:MI

ZIP:49083-9580

Country:US

Info Phone Num:616

-385-4466

Emergency Phone Num:616-629-5811, CHEMTREC 800-424-3900

Preparer's Name: KATHERINE R. JOSEPH

CAGE:51883

=== Contractor Identification ===

Company Name: RICHARD-ALLAN MEDICAL INDUSTRIES

Box:351

City:RICHLAND

State:MI ZIP:49083 Country:US

Phone:616-385-4466

CAGE:51883

======= Composition/Information on Ingredients ========

Ingred Name: FORMALDEHYDE (SARA III)

CAS:50-00-0

RTECS #:LP8925000 Fraction by Wt: 10% V/V

Other REC Limits: NONE SPECIFIED

OSHA PEL:SEE 1910.1048

ACGIH TL

V:C 0.3 PPM; A2; 9293 EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

Ingred Name: METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000 Fraction by Wt: 11%

Other REC Limits:NONE SPECIFIED OSHA PEL:S,200PPM/250STEL ACGIH TLV:S,200PPM/250STEL; 93

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

=========== Hazards Identification ==========================

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute

and Chronic:SKIN:SEVERE IRRITANT AND SENSITIZER.

EYE: IRRITATION, PERMANENT CORNEAL CLOUDING AND LOSS OF VISION.

INHALATION: IRRITATION OF UPPER RESPIRATORY TRACT.

INGESTION:HARMFUL, MAY CAUSE BLINDNESS. CHRONIC:DE RMATITIS, HIVES, ECZEMA, CANCER.

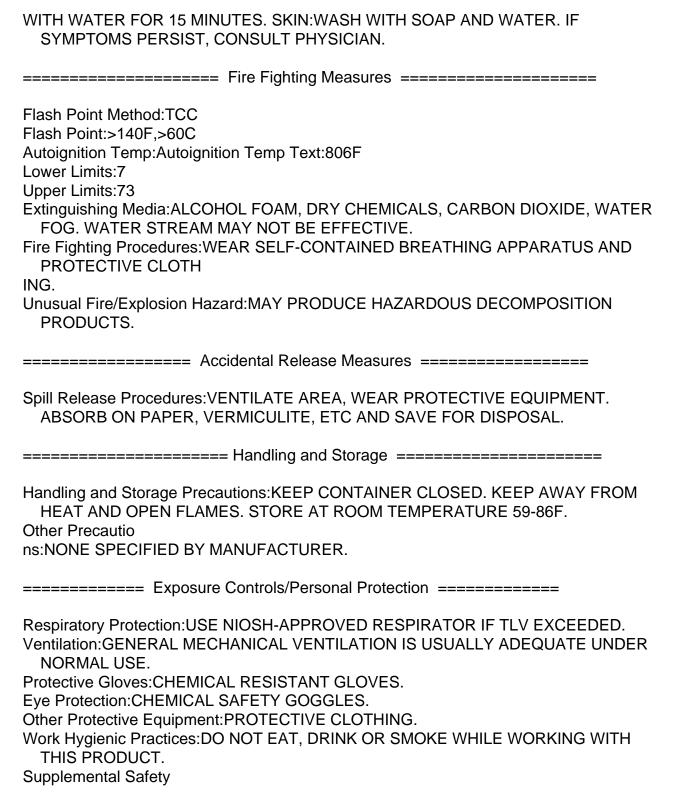
Explanation of Carcinogenicity:NTP-ANTICIPATED TO BE A CARCINOGEN. IARC- PROBABLY CARCINOGENIC TO HUMANS. OSHA-REGULATED AS A CARCINOGEN.

Effects of Overexposure:INHALATION-HEADACHE, COUGHING, TEARING AND UNCONSCIOUSNESS. INGE

STION:NAUSEA, VOMITING. SKIN AND EYE:SEVERE IRRITATION AND TEARING.

Medical Cond Aggravated by Exposure: SKIN AND RESPIRATORY DISEASES.

First Aid:INHALATION:REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED OR DIFFICULT, GIVE ARTIFICIAL RESPIRATION. INGESTION:DRINK 1-2 GLASSES OF WATER OR MILK, OR ABSORB BY GIVING ACTIVATED CHARCOAL SLURRY. IF VOMI TING OCCURS, KEEP HEAD BELOW HIPS. SEEKMEDICAL HELP. EYE:FLUSH



and Health CONTAINERS POTENTIALLY HAZARDOUS WHEN EMPTY. ========= Physical/Chemical Properties =========== HCC:T4 Boiling Pt:B.P. Text:204F,96C Vapor Pres:19 MMHG Vapor Density:1.1 Spec Gravity:1.109 pH:7.00 Evaporation Rate & Department Reference: 0.43 (BU AC=1) Solubility in Water: COMPLETE Appearance and Odor:CLEAR, COLORLESS LIQUID, PUNGENT ODOR. Percent Volatiles by Volume:98

======== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS AND STRONG BASES. Stability Condition to Avoid: HIGH TEMPERATURES Hazardous Decomposition Products: OXIDES OF CARBON, FORMALDEHYDE GAS.

======= Disposal Considerations ===========

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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