

RICHARD-ALLAN MEDICAL INDUSTRIES -- STS SPECIMEN TRANSPORTATION SYSTEM --  
6550-01-340-4455

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

Product ID:STS SPECIMEN TRANSPORTATION SYSTEM

MSDS Date:06/01/1995

FSC:6550

NIIN:01-340-4455

MSDS Number: CBQXW

=== 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:800-781-2307

Emergency Phone Num:800-781-2307, CHEMTREC 800-424-3  
900

Preparer's Name:THRESA M. SCHLUTER

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

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1048

ACGIH TLV:C 0.3 PPM; A2; 9394

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:METHYL ALCO

HOL (METHANOL) (SARA III)  
CAS:67-56-1  
RTECS #:PC1400000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S,200PPM  
ACGIH TLV:S,200PPM/250STEL; 94  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:\*\*TARGET-ORGANS:RESP.SYSTEM,EYE,SKIN\*\*

SEVERE SKIN IRRITANT & SENSITIZER. MAY CAUSE TRANSIENT EYE DISCOMFORT, PERMANENT CORNEAL CLOUDING & LOSS OF VISION. IRRITATING TO UPPER RESPIRATORY TRACT & EYES . INGESTION MAY CAUSE SEVERE IRRITATIONTO MUCOSAL SURFACES OF MOUTH, THROAT & G/I TRACT.  
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 IRRITATION, SKIN IRRITATION, UPPER RESPIRATORY TRACT IRRITATION, NAUSEA , VOMITING, DIARRHEA, WHITE SKIN DISCOLORATION, BLINDNESS.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND/OR RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

===== First Aid Measures =====

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IN HALAT ION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. GIVE MILK, ACTIVATED CHARCOAL, SLURRY OR WATER.

===== Fire Fighting Measures =====

Flash Point Method:CC  
Flash Point:180F,82C  
Autoignition Temp:Autoignition Temp Text:430C  
Lower Limits:7  
Upper Limits:73  
Extinguishing Media:ALCOHOL FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER IN FLOODING AMOUNTS AS SOLID STREAM MAY BE INEFFECTIV

E.

Fire Fighting Procedures:WATER MAY BE USED TO DILUTE SPILL TO PRODUCE  
NON-FLAMMABLE MIXTURES.

Unusual Fire/Explosion Hazard:WITHDRAW IMMEDIATELY IN CASE OF RISING  
SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF STORAGE  
TANK DUE TO FIRE. RUNOFF SHOULD BE CONTAINED.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT.  
CONTAIN SPILL. ABSORB LIQUID WITH SUITABLE ABSORBENT MATERIAL.  
COLLECT FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE, 15-30C,  
59-86F

Other Precautions:MFR GAVE NO INFORMATION OF MSDS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR IN THE ABSENCE OF  
PROPER ENVIRONMENTAL CONTROL.

Ventilation:USE MECHANICAL (GENERAL) VENTILATION OR A  
FUME HOOD.

Protective Gloves:CHEMICCAL RESISTANT GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:MFR GAVE NO INFORMATION OF MSDS.

Work Hygienic Practices:MFR GAVE NO INFORMATION OF MSDS.

Supplemental Safety and Health

MSDS WAS RECEIVED FROM DDSP-XP AND WS NEARLY ILLEGIBLE. ALSO SEE  
ADDITIONAL DATA.

===== Physical/Chemical Properties =====

HCC:V4

NRC/State Lic Num:NONE

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

Vapor Pres:19

Vapor Density:1.1

Spec Gr

avity:1.109

Evaporation Rate & Reference:0.43 (BUTYL ACETATE=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

VIOLENT REACTIONS WHEN MIXED W/STRONG OXIDIZING AGENTS, PHENOLS, STRONG ACIDS/ALKALIS.

Stability Condition to Avoid:MFR GAVE NO INFORMATION OF MSDS.

Hazardous Decomposition Products:FORMALDEHYDE  
GAS

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

Waste Disposal Methods:FORMALDEHYDE IS A HAZARDOUS WASTE PER RCRA.  
EMPLOYER MUST DISPOSE OF WASTE CONTAINING FORMALDEHYDE I/A/W  
APPLICABLE FEDERAL, STATE & LOCAL LAWS.

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