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SPECTRUM CHEMICAL MANUFACTURING CORP. -- FORMALDEHYDE SOLUTION, 37%; (15% METHANOL) -- 6750-00-053-8364

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

Product ID: FORMALDEHYDE SOLUTION, 37%; (15% METHANOL)

MSDS Date: 11/24/1986

FSC: 6750

NIIN: 00-053-8364

MSDS Number: BHCHZ

=== Responsible Party ===

Company Name: SPECTRUM CHEMICAL MANUFACTURING CORP.

Address: 14422 SOUTH SAN PEDRO STREET

City: GARDENA

State: CA

ZIP: 9

0248-2027

Country: US

Info Phone Num: 213-516-8000

Emergency Phone Num: 213-516-8000

CAGE: 63415

=== Contractor Identification ===

Company Name: CHEMICAL COMMODITIES AGENCY, INC.

Address: 27447 PACIFIC STREET

Box: City: HIGHLAND

State: CA

ZIP: 92346-2640

Country: US

Phone: 909-864-2310

CAGE: 60777

Company Name: SPECTRUM LABORATORY PRODUCTS INC

Address: 14422 S SAN PEDRO ST

Box: City: GARDENA

State: CA

ZIP: 90248-2027

Country: US

Phone: 310-516-8000/FAX: 310-516-9843

CAGE: 63415

===== Composition/Information

on Ingredients =====

Ingred Name:FORMALDEHYDE (SARA III)
CAS:50-00-0
RTECS #:LP8925000
= Wt:37.
OSHA PEL:SEE 1910.1048
ACGIH TLV: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
= Wt:15.
OSHA PEL:S,200PPM/250STEL
ACGIH TLV:S,200PPM/250STEL; 93
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
= Wt:48.

===== Hazards Identification ==
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LD50 LC50 Mixture:ORAL RAT LD50 = 800 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: INHALATION: MAY CAUSE TISSUE
DAMAGE AND SERIOUS RESPIRATORY TRACT INJURY. SKIN: MAY CAUSE BURNS.
EYES: MAY CAUSE PROFUSE LACRIMATION AND OCULAR DAMAGE. INGESTION:
MAY CAUSE BURNING IN THE MOUTH AND ESOPHAGUS. MAY CAUSE LIVER AND
KIDNEY DAMAGE. MAY COUSE DEATH FRO
M CIRCULATORY FAILURE. CHRONIC:
SAME AS ACUTE.
Explanation of Carcinogenicity:STUDIES SHOW THAT REPEATED EXPOSURE TO
LEVELS UP TO 14.3 PPM INDUCED NASAL CAVITY SQUAMOUS CELL CARCINOMA
IN RATS.
Effects of Overexposure:INHALATION: MAY CAUSE EYE, NOSE & THROAT
IRRITATION. MAY CAUSE DIFFICULTY IN BREATHING, BURNING OF THE NOSE
& THROAT; OR EVEN PULMONARY EDEMA AND PNEUMONITIS. SKIN & EYES:
IRRITATION, SENSITIZATION DE RMATITIS, LOSS OF VISION. INGESTION:
JAUNDICE, ALBUMIN

URIA, HEMATURIA, ANURIA AND ACIDOSIS. MAY CAUSE DEATH.

Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF SKIN OR EYE DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE. PERSONS WITH LIVER, KIDNEY AND RESPIRATORY DISORDERS MAY ALSO BE AT INCREASED RISK.

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

First Aid: INHALATION: REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, GIVE CPR. GET IMMEDIATE MEDICAL CARE. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA WITH SOAP & WATER. LAUNDRY CLOTHS BEFORE REUSE. GET MEDICAL CARE. EYE: WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL CARE. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR WATER. GET MEDICAL CARE.

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

Flash Point Method: CC
Flash Point: 122F, 50C
Autoignition Temp: Autoignition Temp Text: 806F
Lower Limits: 7
Upper Limits: 73
Extinguishing Media: USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard: CONTAINERS MAY BURST WHEN EXPOSED TO HEAT OF FIRE. MAY EMIT TOXIC VAPORS UNDER FIRE CONDITIONS.

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

Spill Release Procedures: TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL.

APPLY UNIVERSAL GELLING AGENT TO IMMOBILIZE SPILL AS REQUIRED. VENTILATE AND EVACUATE AREA. ELIMINATE ALL SOURCES OF IGNITION. NEUTRALIZE & WASH RESIDUE WITH WATER. PLACE INTO DISPOSAL CONTAINER.

Neutralizing Agent: CEMENT POWDER OR FLY ASH

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

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM IGNITION SOURCES. KEEP CONTAINER CLOSED WHEN NOT IN USE. PR

OTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:MAY BE IGNITED BY HEAT, SPARKS OR FLAMES. CONTAINER MAY EXPLODE IN HEAT OF FIRE. VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS. RUN-OFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

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

Respiratory Protection:SELECT NIOSH/MSHA APPROVED RESPIRATOR BASED ON CONTAMINATION LEVELS FOUND IN THE WORK PLACE. SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATOR IS RECOMMENDED FOR MOST CASES.

Ventilation:PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PEL/TLV. USE EXPLOSION-PROOF EQUIPMENT.

Protective Gloves:BUTYL OR NITRILE RUBBER.

Eye Protection:SPLASH PROOF SAFETY GOGGLES/FACESHIELD.

Other Protective Equipment:PROTECTIVE CLOTHING AND EQUIPMENT TO PREVENT ANY POSSIBILITY OF SKIN CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

THIS MATERIAL CONTAINS METHANOL WHICH MAY CAUSE BLINDNESS AND/OR DEATH IF INGESTED. HCC WAS DETERMINED BASED ON HIERCHY TABLE B-3 IN DLAI 4145.11/TM 38-410/NAVSUP PUB 573/AFJMAN 23-209/MCO 4450.12A

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

HCC:F4

Boiling Pt:B.P. Text:205F,96C

Melt/Freeze Pt:M.P/F.P Text:5F,-15C

Vapor Density:1.0

Spec Gravity:1.03

pH:2.8/4.

Solubility in Water:COMPLETE

Appearance and

Odor:CLEAR COLORLESS LIQUID, PUNGENT ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ACIDS, BASES, ANILINE, PHENOL

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE UNBURNED FORMALDEHYDE, UNBURNED METHYL ALCOHOL, AND OXIDES OF CARBON.

Conditions to Avoid Polymerization:MAY UNDERGO A NON-HAZARDOUS

SELF-POLYMERIZATION TO FORM PARAFORMALDEHYDE OR MAY REACT VIOLENTLY WITH ANILINE OR PHENOL.

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED

===== Ecological Information =====

Ecological:NOT PROVIDED

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

Waste Disposal Methods:DISPOSE I/A/W ALL APPLICABLE FEDERAL, STATE & LOCAL REGULATIONS. INCINERATION RECOMMENDED.

===== MSDS Transport Information =====

Transport Information:NOT PROVIDED

===== Regulatory Information =====

SARA Title III Information:NOT PROVIDED
Federal Regulatory Information:NOT PROVIDED
State Regulatory Information:NOT PROVIDED

===== Other Information =====

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