

HOECHST CELANESE CORPORATION -- FORMALDEHYDE 37% IN 12-15% METHANOL --
6750-00-053-8364

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

Product ID: FORMALDEHYDE 37% IN 12-15% METHANOL

MSDS Date: 01/31/1990

FSC: 6750

NIIN: 00-053-8364

MSDS Number: BCWFW

=== Responsible Party ===

Company Name: HOECHST CELANESE CORPORATION

Box: 569320

City: DALLAS

State: TX

ZIP: 75356-9320

Country: US

Info Phone Num: 214-689-4000

Emergency

Phone Num: 214-689-4000/800-424-9300 (CHEMTREC)

CAGE: 0RIR4

=== Contractor Identification ===

Company Name: CELANESE CHEMICAL CO INC; (HOECHST CELANESE CORP)

Address: 1250 W MOCKINGBIRD LN

Box: City: DALLAS

State: TX

ZIP: 75246

Country: US

Phone: 800-424-9300

CAGE: 62215

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: HOECHST CELANESE CORP

Box: 1026

City: CHARLOTTE

State: NC

ZIP: 28201-102

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Country:US
Phone:800-253-2637
CAGE:0RIR4
Company Name:HYDRITE CHEMICAL CO
Address:300 N. PATRICK BLVD
Box:City:BROOKFIELD
State:WI
ZIP:53008-0948
Country:US
Phone:414-354-3750
CAGE:53270

===== 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:13.5
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
CAS:7732-18-5
RTECS #:ZC0110000
= Wt:49.5

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

LD50 LC50 Mixture:LD 50 ORAL RAT IS 800 MG/KG (FORMALDEHY)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: SEVERE EYE BURNS, SK

IN

IRRITATION, RESPIRATORY IRRITATION, BRONCHOPNEUMONIA, UNCONSCIOUSNESS. CHRONIC: BLINDNESS, SKIN HARDENING, TANNING, SENSITIZATION. FORMALDEHYDE IS CARCINOGENIC.

Explanation of Carcinogenicity: FORMALDEHYDE IS LISTED UNDER NTP, IARC AND OSHA.

Effects of Overexposure: EYES: SEVERE IRRITATION, TEARING, BURNS. SKIN: IRRITATION. INHALATION: HIGHLY IRRITATING TO RESPIRATORY TRACT, INFLAMMATION OF THE LINING OF NOSE AND THROAT. INGESTION: SEVERE IRRITATION AND INFLAMMATION OF MOUTH, THROAT AND STOMACH, SEVERE ABDOMINAL PAINS, UNCONSCIOUSNESS.

Medical Condition Aggravated by Exposure: INDIVIDUALS WITH A HISTORY OF EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid: EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEE DOCTOR IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. IF IRRITATION PERSISTS, SEE DOCTOR. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. INGESTION: INDUCE VOMITING. SEE DOCTOR IMMEDIATELY.

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

Flash Point Method: TCC

Flash Point: 141F, 61C

Lower Limits: 7.0

Upper Limits: 73

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: VAPORS HEAVIER THAN AIR. CAN TRAVEL A LONG DISTANCE ALONG GROUND AND FLASHBACK. WATER SPRAY CAN BE USED TO REDUCE INTENSITY OF FLAMES AND TO DILUTE SPILLS.

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

Spill Release Procedures: CONFINE SPILL WITH DIKES OR FIREWALL. CAN BE NEUTRALIZED WITH AMMONIUM HYDROXIDE OR COMPLEXED WITH SODIUM SULFITE. WASH DOWN AREA WITH WATER.

Neutra

lizing Agent:AMMONIUM HYDROXIDE OR SODIUM SULFITE.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.
Other Precautions:WHEN TRANSFERRING, FOLLOW PROPER GROUNDING PROCEDURES. AVOID BREATHING VAPORS. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. DO NOT ENTER STORAGE AREA UNLESS ADEQUATELY VENTILATED.

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

Respiratory Protection:NIOSH/MSHA-APPROVED RESPIRATOR WITH CARTRIDGE APPROVED FOR FORMALDEHYDE OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.
Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.
Protective Gloves:RUBBER,NEOPRENE
Eye Protection:GOGGLES
Other Protective Equipment:IMPERVIOUS APRON & BOOTS
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
DISCARD CONTAMINATED LEATHER ITEMS. 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:204F,96C
Melt/Freeze Pt:M.P/F.P Text: