

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: 28201-10

26

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

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

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===== Hazards Identification =====
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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, S

KIN

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 INFLAMMATIO

N OF MOUTH, THROAT AND STOMACH, SEVERE ABDOMINAL PAINS, UNCONSCIOUSNESS.

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

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===== 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.

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===== 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.

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===== 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.

Neutr

alizing Agent:AMMONIUM HYDROXIDE OR SODIUM SULFITE.

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===== 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 ADEQUATE

LY
VENTILATED.

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===== 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.

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upplemental 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

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

HCC:F4

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

Melt/Freeze Pt:M.P/F.P Text: