

ALDOA COMPANY -- FORMALDEHYDE SOLUTION -- 6550-01-276-4598

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Product Identification
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Product ID: FORMALDEHYDE SOLUTION

MSDS Date: 03/09/1994

FSC: 6550

NIIN: 01-276-4598

MSDS Number: BXCPZ

=== Responsible Party ===

Company Name: ALDOA COMPANY

Address: 12727 WESTWOOD

City: DETROIT

State: MI

ZIP: 48223

Country: US

Info Phone Num: 313-273-5705

Emergency Phone Num: 313-273-5705

Resp. Party Other MSDS Num

.: NEW MSDS DATE: 04-13-2000

Preparer's Name: NOT PROVIDED.

CAGE: ALDXA

=== Contractor Identification ===

Company Name: ALDOA COMPANY

Address: 12727 WESTWOOD DR

Box: City: DETROIT

State: MI

ZIP: 48223

Country: US

Phone: 313-273-5705

CAGE: ALDXA

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Composition/Information on Ingredients
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Ingred Name: FORMALDEHYDE

CAS: 50-00-0

RTECS #: LP8925000

Minimum % Wt: 8.

Maximum % Wt: 10.

OSHA PEL: SEE 1910.1048

ACGIH TLV: 1.5 MG/M3

ACGIH STEL: C0.37 MG/M3; C0.3 PPM

EPA Rpt Qty: 100 LBS

DOT Rpt Qty: 1

00 LBS

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===== Hazards Identification =====
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LD50 LC50 Mixture:TLV 1.5 MG/M3 (1 PPM)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:SKIN CONTACT MAY CAUSE SEVERE IRRITATION OR BURNS. PROLONGED SKIN CONTACT MAY CAUSE SKIN SENSITIZATION. EYE CONTACT MAY CAUSE SEVERE IRRITATION OR BURNS. INGESTION MAY BE FATAL; MAY CAUSE NAUSEA, VOMITING, GI TRACT IRRITATION, BURNS TO MOUTH AND THROAT. INHALATION MAY BE FATAL; MAY CAUSE CNS DISTURBANCES, UNCONSCIOUS

Explanation of Carcinogenicity:CONTAINS FORMALDEHYDE [50-00-0] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:SEVERE SKIN IRRITATION/BURNS, SKIN SENSITIZATION, SEVERE EYE IRRITATION/BURNS, NAUSEA, VOMITING, GI TRACT IRRITATION, BURNS TO MOUTH AND THROAT, HEADACHE, DIZZINESS, DROWSINESS, IRRITATION OF UPPER RESPIRATORY TRACT,

UNCONSCIOUSNESS, DEATH.CHRONIC EXPOSURE MAY CAUSE KIDNEY/LIVER DAMAGE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====
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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 PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL HELP. IF UNCONSCIOUS, GIVE LARGE AMOUNTS OF WATER AND INDUCE VOMITING.

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===== Fire Fighting Measures =====
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Flash Point Method:CC
Flash Point:=-84.C, 183.2F
Lower Limits:7.0 %
Upper Limits:73 %
Extinguishing Media:USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

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ATER.

Unusual Fire/Explosion Hazard:IN FIRE CONDITIONS, MAY PRODUCE CARBON MONOXIDE, FORMALDEHYDE AND CARBON DIOXIDE GASES WHICH ARE TOXIC.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. STOP LEAK IF CAN DO SO WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS. TAKE UP WITH SAND OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIAL AND PLACE IN CONTAINER FOR DISPOSAL.FLUSH

AREA

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN SECURE POISON AREA. ISOLATE FROM INCOMPATIBLE MATERIALS.

Other Precautions:THIS PRODUCT IS SOLD FOR LABORATORY USE ONLY.

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:RUBBER GLOVES

Eye Protection:SAFETY GOGGLES AND FACE SHIELD

Other Protective Equipment:PROTECTIVE SUIT TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

ALDOA SENT TWO MSDS, ONE FOR 8% AND ONE FOR 10% FORMALDEHYDE. BUT SPEC CALLS FOR 3.7% FORMALDEHYDE SOLUTION. REST OF THE DATA WAS SAME, INCLUDING FLASH POINTS. NEW DATE ON THE MSDS: 13 APRIL, 2000.

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

HCC:V4

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:

COMPLETE

Appearance and Odor: CLEAR, COLORLESS LIQUID, PUNGENT ODOR

Percent Volatiles by Volume: 100%

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES, ALKALIES, ALKALI METALS, AMINES AND AMMONIA, PHENOL, STRONG REDUCER

Stability Condition to Avoid: AVOID HEAT AND FLAMES.

Hazardous Decomposition Products: FORMALDEHYDE, CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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

Transport Information: PER MSDS PSN: FORMALDEHYDE SOLUTIONS, UN2209. DOT HAZARD SHIPPING CLASS FOR 8% OR LESS FORMALDEHYDE SOLUTION: ORM-A

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