

AKZO COATINGS INC -- EPOXY CATALYST, X-304 -- 8010-00-614-5723

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Product Identification
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Product ID:EPOXY CATALYST, X-304

MSDS Date:09/14/1992

FSC:8010

NIIN:00-614-5723

MSDS Number: CBQKN

=== Responsible Party ===

Company Name:AKZO COATINGS INC

Address:434 WEST MEATS AVE

City:ORANGE

State:CA

ZIP:92665

Country:US

Info Phone Num:714-637-1750

Emergency Phone Num:800-424-9300 (CHEMTREC)

CAGE

:98502

=== Contractor Identification ===

Company Name:AKZO COATINGS INC

Address:434 W. MEATS STREET

Box:City:ORANGE

State:CA

ZIP:92661

Country:US

Phone:714-637-1750; CHEMTREC 800-424-9300

CAGE:98502

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Composition/Information on Ingredients
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Ingred Name:2-BUTANONE; (METHYL ETHYL KETONE) (MEK) (SARA 313) (CERCLA)

VP: 83 @ 75F LD50 (ORAL RAT): 2737 MG/KG

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 24.2%

OSHA PEL:200 PPM

ACGIH TLV:200 PPM/300STEL

EPA Rpt Qty:5000 L

BS
DOT Rpt Qty:5000 LBS

Ingred Name:ACETIC ACID, BUTYL ESTER; (N-BUTYL ACETATE) (CERCLA) VP: 8
@ 68F LD50 (ORAL RAT): 14000 MG/KG
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 15-25%
OSHA PEL:150 PPM
ACGIH TLV:150 PPM/200STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BUTYL ALCOHOL; (N-BUTYL ALCOHOL) (SARA 313) (CERCLA) VP:
5.5 @ 68F LD50 (ORAL RAT): 790 MG/KG
CAS:71-36-3
RTECS #:EO1400000
Fraction by Wt: 20.6%
OSHA PEL:100 PPM
ACGIH TLV:C 50 PPM, S
EPA Rpt Qty:5000 LBS
DOT
Rpt Qty:5000 LBS

Ingred Name:BISPHENOL A-EPICHLOROHYDRIN COPOLYMER; (EPOXY RESIN) LD50
(ORAL RAT): 11400 MG/KG
CAS:25068-38-6
RTECS #:SL6475000
Fraction by Wt: 10-15%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:ETHANOL, 2-BUTOXY-; (2-BUTOXYETHANOL) VP: 0.6 @ 68F LD50
(ORAL RAT): 1480 MG/KG
CAS:111-76-2
RTECS #:KJ8575000
Fraction by Wt: 10.7%
OSHA PEL:50 PPM, S
ACGIH TLV:25 PPM, S

Ingred Name:DIETHYLENETRIAMINE VP: < 0.1 @ 68F LD50 (ORAL RAT): 1080
MG/KG
CAS:111-40-0
RTECS #:IE122500

0

Fraction by Wt: 5-10%

OSHA PEL:1 PPM

ACGIH TLV:1 PPM, S

Ingred Name:TOLUENE (SARA 313) (CERCLA) VP: 22 @ 68F LD50 (ORAL RAT):
5000 MG/KG

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 3.2%

OSHA PEL:200 PPM

ACGIH TLV:50 PPM, S

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:VOC: 6.44 LB/GAL (LESS WATER (EPA), LESS WATER & EXEMPT
(EPA), TOTAL ORG SOLVENTS, TOTAL NON-EXEMPT SOLVENTS)

RTECS #:9999999VO

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:SUP DAT: CNS DMG, BLOOD EFTS, EYE & KI
DNEY DMG. RPTS HAVE

ASSOC RPTD & PRLNG OVEREXP TO SOLV W/PERM BRAIN & (ING 10)

RTECS #:9999999ZZ

Ingred Name:ING 9: NERV SYS DMG. INTENTIONAL MISUSE BY DELIBERATELY
CONCENTRATING & INHALING CONTENTS MAY BE HARMFUL/FATAL. (ING 11)

RTECS #:9999999ZZ

Ingred Name:ING 10: TOLUENE APPEARS ON NAVY LISTING OF OCCUP CHEM REPRO
HAZ. SEEK CONSULT FROM APPROP HLTH PROFESSIONALS (ING 12)

RTECS #:9999999ZZ

Ingred Name:ING 11: CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG &
EXPOS INFO . ANIMA

L STUDIES CLEARLY DEMONSTRATED (ING 13)

RTECS #:9999999ZZ

Ingred Name:ING 12: DOSE-RELATED ADVERSE EFTC ON CNS, HEMATOPOIETIC
TISS, BLOOD, KIDNEYS & LIVER, ASSOC W/ADMIN OF ETHYLENE (ING 14)

RTECS #:9999999ZZ

Ingred Name:ING 13: GLYCOL MONOBUTYL ETHER (EGBE) (EXTRACTED FROM DHHS
(NIOSH) PUBLICATION # 90-118) .

RTECS #:9999999ZZ

Ingred Name:HYGIENE PRACT: WASHING WHEN SFTY EQUIP IS REMOVED, AT END
OF EACH SHIFT/WHEN GOING ON BREAK & ESPEC IF CONTAM OCCURS.

RTECS #:9999999ZZ

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Hazards Identification
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LD50 LC50 Mixture:SEE INGREDIENTS.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYE BURNS. HARMFUL IF

SWALLOWED. MAY CAUSE NOSE & THROAT IRRIT. CAN BE ABSORBED THRU SKIN. MAY CAUSE ALLERGIC SKIN RXN. CAUSES SKIN BURNS. MAY CAUSE ALLERGIC RESP RXN. EFTS MAY BE PERM. MAY CAUSE LUNG INJURY. MAY AFFECT BRAIN/NERV SYS

, CAUSING DIZZ, HDCH/NAUS. HARMFUL IF INHALED.

INFLAMM OF MUC (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: MEMB OF NOSE & THROAT, SWELL & REDNESS OF SKIN, DFCLTY W/SPEECH, ASPHIXIA, REDNESS & SWELL OF EYES, LACRIMATION, WEAK, PNEUMOCONIOSIS, DRYING OF NASAL MUCOSA, ABDOM PAIN, NECROSIS OF SKIN, EDEMA, DIARR, GASTRITIS, COUGH, CONJUNC,LOSS OF COORD, UNCON, FATG, VOMIT, DIZZ, SHORTNESS OF BREATH, (SUP DAT)

Medical Cond Ag

aggravated by Exposure:EYE DISORDERS, SKIN DISORDERS, PULMONARY CONDITIONS, RESPIRATORY ALLERGIES.

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First Aid Measures
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First Aid:SKIN: REMOVE CONTAM CLTHG & WASH BEFORE REUSE. REMOVE & DESTROY CONTAM SHOES. FLUSH W/WATER FOR AT LEAST 15 MIN & GET MED ATTN. EYES: FLUSH W/WATER FOR AT LEAST 15 MIN & GET MED ATTN.

INHAL: REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP, PREFERABLY MOUTH-TO-MOUTH. IF BRTHG IS DFCLT, GIVE OXYGEN.

GET MED

ATTN. INGEST: GET MED ATTN IMMED.

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Fire Fighting Measures
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Flash Point Method:CC

Flash Point:21.0F,-6.1C

Lower Limits:1.1%

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

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP

. WATER MAY BE INEFFECTIVE IN FIGHTING FIRE. IF WATER IS USED TO COOL CLSD CONTRS TO PVNT PRESS (SUP DAT)

Unusual Fire/Explosion Hazard:DURING EMERGENCY CONDITIONS, OVEREXPOSURE

TO DECOMPOSITION PRODS MAY CAUSE A HEALTH HAZARD; SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. WEAR APPROPRIATE SAFETY EQUIPMENT AS LISTED IN "CONTROL MEASURES" SECTION. ABSORB ON INERT MATERIAL AND DISPOSE OF AS BELOW.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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Handling and Storage Precautions:STORE IN WELL-VENTD AREA. STORE IN CLEAN, DRY AREA. STORE AWAY FROM IGNIT SOURCES. KEEP CONTRS CLSD WHEN NOT IN USE. STORE AWAY FROM OPEN FLAME.

Other Precautions:AVOID CONT W/COPPER, BRASS & BRONZE. ALL EQUIP SHOULD BE GROUNDED. EMPTY CONTRS MAY RETAIN PROD RESIDUES (VAP/LIQ). ALL PREC MUST BE OBSERVED.

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

Respiratory Protection:WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRAT OR (NIOSH/MSHA APPROVED) DURING APPLICATION AND HANDLING UNLESS AIR MONITORING DEMONSTRATED VAPOR/MIST LEVELS BELOW APPLICABLE LIMITS. FOLLOW RESP MFR'S RE COMMENDATIONS FOR SELECTION & USE.

Ventilation:SUFFICIENT VENTILATION MUST BE PROVIDED TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW TLV, PEL AND LEL LIMITS.

Protective Gloves:CHEMICAL RESISTANT PROTECTIVE GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGS .

Other Protective Equipment:EMERGENCY EYEWASH & DELUGE SHOWER MEETING

ANSI DESIGN CRITERIA . RUBBER APRON SHOULD BE WORN.

Work Hygienic Practices:GOOD PERS HYGIENE PRACT ARE REQUIRED AT ALL TIMES WHEN HNDLG CHEMS. THESE PRACT INCL, BUT ARE NOT LIMITED TO, (ING 15)

Supplemental Safety and Health

FIRE FIGHT PROC: BUILD-UP, FOG NOZZ ARE PREFERRED. MATLS TO AVOID: SOLV, KETONES, ALKANOLAMINES, ALDEHYDES, ALKALI METAL, HALOGEN CMPDS. EFTS OF OVEREXP: HEMOLYSIS, NAUS, DROW, DERM, DEPOSITS IN EYES, NARCOSIS, REDUCED VISIBILITY. CHRONIC:MAY CAUSE S

KIN SENSIT,
LIVER ABNORM, LUNG & SPLEEN DMG, BIRTH DEFECTS, (ING 9)

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

Boiling Pt:B.P. Text:>173F,>78C
Vapor Density:HVR/AIR
Spec Gravity:0.87
Evaporation Rate & Reference:SLOWER THAN ETHER
Appearance and Odor:LIQUID
Percent Volatiles by Volume:91.07

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

Stability Indicator/Materials to Avoid:YES
EPOXIDES, ACIDS, AMMONIA, ORG HALIDES, NITRIC ACID, OXIDIZER
S, AMINES,
SODIUM HYDROXIDE, ALKALI, CHLORINATED (SUP DAT)
Stability Condition to Avoid:OPEN FLAME, SPARKS, TEMPERATURES ABOVE
100F.
Hazardous Decomposition Products:OXIDES OF NITROGEN, ALDEHYDES, OXIDES
OF CARBON, ACIDS, VARIOUS HYDROCARBONS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE &
FEDERAL REGULATIONS. INCINERATION IS THE PREFERRED METHOD OF
DISPOSAL.

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