

AKZO NOBEL CHEMICALS INC -- CADOX M-50 A -- 6810-01-120-0408

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Product Identification
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Product ID:CADOX M-50 A

MSDS Date:02/25/1998

FSC:6810

NIIN:01-120-0408

Status Code:A

MSDS Number: CJHFY

=== Responsible Party ===

Company Name:AKZO NOBEL CHEMICALS INC

Address:300 S. RIVERSIDE PLAZA

City:CHICAGO

State:IL

ZIP:60606

Country:US

Info Phone Num:800-828-7929

Emergency Phone Num:800-828-7929

Resp. Party Other MSDS Num.:11-076289

Chemtrec Ind/Phone:(800)424-9300

CAGE:97854

=== Contractor Identification ===

Company Name:AKZO NOBEL CHEMICALS INC

Address:300 S. RIVERSIDE PLAZA

Box:City:CHICAGO

State:IL

ZIP:60606-6613

Country:US

Phone:312-906-7500 TECH: 800-828-792

CAGE:97854

Company Name:MAHOGANY CO.

Address:1100 ATLANTIC AVENUE

Box:City:MAYS LANDING

State:NJ

ZIP:08330-2006

Country:US

Phone:609-625-8101

Contract Num:SP0450-99-M-C776

CAGE:5U815

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Composition/Information on

Ingredients =====

Ingred Name:METHYL ETHYL KETONE PEROXIDE (MEKP) (CERCLA)

CAS:1338-23-4

RTECS #:EL9450000

Minumum % Wt:30.

Maxumum % Wt:35.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 0.7 PPM

ACGIH TLV:C 0.2 PPM; 9596

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:HYDROGEN PEROXIDE (SARA 302)

CAS:7722-84-1

RTECS #:MX0900000

Minumum % Wt:0.

Maxumum % Wt:3.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 PPM

ACGIH TLV:1 PPM; 9596

Ingred Name:1,3-PENTANEDIOL,2,2,4-TRIMETHYL-,DIISOBUTY
RATE

CAS:6846-50-0

RTECS #:SA1420000

Minumum % Wt:60.

Maxumum % Wt:70.

Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:0.

Maxumum % Wt:2.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT RELEVANT

ACGIH TLV:NOT RELEVANT

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS > 3,200 MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY & GI TRACTS. SKIN CONTACT CAN CAUSE CHEMICAL BURNS WITH SEVERE BLISTERING. EYE CONTACT CAN CAUSE SEVERE REACTION & MAY RESULT IN LOSS OF FUNCTIONAL VISION IN THE INVOLVED EYE. INHALATION OF VAPOR, MIST OR AEROSOL IS EXPECTED TO BE SEVERELY IRRITATING TO THE RESPIRATORY TRACT. INGESTION CAN CAUSE SEVERE IRRITATION OR BURNS OF THE MOUTH, THROAT, ESOPHAGUS AND ST OMACH.

Explanation of Carcinogenicity:NONE GIVEN BY MANUFACTURER.

Effects of Overexposure:INHALED-SEVERE IRRITATION OF UPPER RESPIRATORY TRACT. SKIN-CHEMICAL BURNS WITH SEVERE BLISTERING. EYES-SEVERE REACTION, POSSIBLE LOSS OF FUNCTIONAL VISION. INGESTED-SEVERE IRRITATION OR BURNS OF MOUT H, THROAT, ESOPHAGUS, STOMACH.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN AND/OR RESPIRATORY DISEASE MAY BE AT INCREASED RISK IF EXPOSED TO THIS MATERIAL.

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===== First Aid Measures =====
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First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR. PROVIDE ARTIFICIAL RESPIRATION OR OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. CALL PHYSIC IAN. SKIN:IMMEDIATELY WASH WITH SOAP & PLENTY OF WATER.INGESTED:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK PLENTY OF WATER. SEEK IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONS CIOUS OR CONVULSING PERSON.

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

Flash Point Method:SCC

Flash Point:=82.C, 179.6F

Extinguishing Media:USE WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, OR FOAM EXTINGUISHING AGENTS. EXTINGUISH LARGE FIRES WITH LARGE AMOUNTS OF WATER SPRAY, FOG OR FOAM FROM A SAFE/PROTECTED POSITION.

Fire Fighting Procedures:EVACUATE NON-ESSENTIAL PERSONNEL. FIRE FIGHTERS SHOULD WEAR FULL-FACE, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS CLOTHING. COOL FIRE EXPOSED CONTAINERS WITH WATER TO

PREVENT RUPTURE. HIGH PRES SURE WATER MAY SPREAD PRODUCT. DIKE FIRE WATER FOR LATER DISPOSAL. DO NOT ALLOW CONTAMINATED WATER INTO WATERWAYS.

Unusual Fire/Explosion Hazard:THIS PRODUCT CAN PRODUCE FLAMMABLE VAPORS WHICH MAY TRAVEL TO ASOURCE OF IGNITION & FLASH BACK. PEROXIDES AND PEROXIDE DECOMPOSITION PRODUCTS ARE FLAMMABLE & CAN IGNITE WITH EXPLOSIVE FORCE IF CONFINE D.

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

Spill Release P

rocedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. SOAK UP SPILL WITH NON-FLAMMABLE ABSORBANT. SWEEP UP ABSORBED MATERIAL AND PLACE IN A CHEMICAL WASTE CONTAINER FOR DISPOSAL. PREVENT FROM ENTERING SEWERS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:WEAR PROTECTIVE CLOTHING WHEN HANDLING TO AVOID SKIN & EYE CONTACT. STORAGE TEMPERATURES SHOULD NOT EXCEED

MAXIMUM STORAGE TEMPERATURES OF 86F/30C. TO PREVENT SELF-ACCELERATING DECOMPOSITION, STORAGE FACILITY TEMPERATURES SHOULD NEVER EXCEED 131F/55C. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:KEEP CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM AMINES, ACIDS, ALKALIS AND HEAVY METAL COMPOUNDS (EG DRIERS, METAL SOPAS AND ACCELERATORS). CONTAINERS SHOULD NOT BE OPENED UNTIL READY FOR USE. USE CLEAN, NON-SPARKING TOOLS & EQUIPMENT WHEN HANDLING.

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

Respiratory Protection:USE A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR WITH DUST, MIST, & FUME FILTERS TO REDUCE POTENTIAL FOR INHALATION EXPOSURE AND ADEQUATE VENTILATION IS NOT AVAILABLE. CHANGE FILTERS AFTER EACH USE/SHIFT . WHERE EXPOSURE POTENTIAL REQUIRES A HIGHER LEVEL OF PROTECTION, USE A NIOSH-APPROVED PRESSURE DEMAND AIR SUPPLIED RESPIRATOR.

Ventilation:USE APPROPRIATE VENTILATION MEASURES (LOCAL EXHAUST, ENCLOSED SYSTEM, PROCESS ISOLATION, ETC) THAT WILL MAINTAIN EXPOSURES BELOW TLV(S).

Protective Gloves:PERMEATION RESISTANT GLOVES.

Eye Protection:CHEMICAL GOGGLES AND/OR FULL FACE SHIELD.

Other Protective Equipment:SAFETY SHOWERS, EYE WASH FOUNTAINS OR OTHER MEANS TO GENTLY FLUSH EYES WITH TEPID WATER SHOULD BE READILY AVAILABLE. USE IMPERMEABLE CLOTHING AND FOOTWEAR.

Work Hygienic Practices:UNPROTECTED SKIN EXPOSED TO VAPOR, AEROSOL, OR MIST MUST BE THOROUGHLY WASHED BEFORE

EATING, DRINKING, SMOKING AND
AT THE END OF THE WORKSHIFT.

Supplemental Safety and Health

ELECTRICALLY GROUNDED TANKS AND CONTAINERS SHOULD ALWAYS BE USED AS
SHOULD NON-SPARKING, ELECTRICALLY GROUNDED HAND TOOLS AND
APPLIANCES. GROUND OR BOND TO GROUND ALL VESSELS WHEN TRANSFERRING
TO PREVENT ACCUMULATION OF STATIC ELECTRICITY. EMPTY CONTAINER MAY
RETAIN PRODUCT RESIDUES. FOLLOW ALL WARNINGS & PRECAUTIONS.

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

HCC:P1

Boiling Pt:B.P. Text:N/D

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

Vapor Pres:N/D

Vapor Density:N/D

Spec Gravity:1.0 @ 20 DEG C

pH:N/D

Evaporation Rate & Reference:N/D

Solubility in Water:N/D

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH A FAINT KETONE ODOR

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG ACIDS, STRONG ALKALIS, STRONG OXIDIZERS,
ACCELERATORS AND REDUCING AGENTS.

Stability Condition

to Avoid:THIS PRODUCT IS STABLE AT TEMPERATURES UP
TO 131F (55 C).

Hazardous Decomposition Products:DECOMPOSITION PRODUCTS INCLUDE CARBON
DIOXIDE, CARBON MONOXIDE, ETHANE AND METHANE.

Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATION IS NOT
EXPECTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

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

Toxicological Information:INHALATION TOXICITY DATA IS NOT AVAILABLE FOR
THIS PRODUCT. HOWEVER, THE ACUTE

E LC50 FOR A SIMILAR PRODUCT IS 17

MG/L IN RATS (4 HR EXPOSURE). INHALATION CHRONIC EXPOSURE:
PROLONGED/REPEATED INHALATION IS EXPECTED TO BE SEVERELY
IRRITATING TO THE RESPIRATORY SYSTEM. DERMAL TOXICITY DATA IS NOT
AVAILABLE FOR THIS PRODUCT. HOWEVER, THE DERMAL LD50 FOR A SIMILAR
PRODUCT IS 4000 MG/KG IN RABBITS. EYE TOXICITY-THIS PRODUCT IS
EXPECTED TO BE CORROSIVE TO THE EYES BASED ON TESTS OF SIMILAR
PRODUCTS. INGESTION TOXICITY-DATA NOT AVAILABLE FOR THIS PRO

DUCT;

ACUTE LD50 (RAT) FOR SIMILAR PRODUCT IS 1017 MG /KG.

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

Ecological:ECOTOXICOLOGICAL INFORMATION- THE ECOLOGICAL TOXICITY OF THIS
PRODUCT IS NOT KNOWN. DISTRIBUTION: OTHER ECOLOGICAL INFORMATION ON
THIS PRODUCT IS NOT KNOWN. CHEMICAL FATE: THIS PRODUCT IS EXPECTED
TO BE READILY BIODEGRADABLE.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE
IN ACCORDANCE WITH

APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.
REUSING, RECYCLING OR INCINERATION IS RECOMMENDED. EPA HAZARDOUS
WASTE NUMBERS: U160, D003, D0 02

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

Transport Information:SHIPPING DESCRIPTION: ORGANIC PEROXIDE TYPE E,
LIQUID (METHYL ETHYL KETONE PEROXIDE,