

AKZO CHEMICLALS (FORMERLY STAU -- CADOX M-50

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MSDS Safety Information
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FSC: 6810
NIIN: 01-120-0408
MSDS Date: 03/07/1997
MSDS Num: BJXRV
Product ID: CADOX M-50
MFN: 01
Responsible Party
Cage: HO797
Name: AKZO CHEMICLALS INC (FORMERLY STAUFFER CHEM CO)
Address: 300 S. RIVERSIDE PALZA
City: CHICAGO IL 60606
Info Phone Number: 312-906-7850/312-906-7522
Emergency Phone Number: 312-906-7054/CHEMTREC 800-424-9300
Resp. Party Other MSDS No.: 11-074673
Preparer's Name: UNKNOWN
Published: Y

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Preparer Co. when other than Responsible Party Co.
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Cage: HO797
Assigned Ind: Y
Name: AKZO CHEMICLALS INC (FORMERLY STAUFFER CHEM CO)
Address: 300 S. RIVERSIDE PALZA
City: CHICAGO IL 60606

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Contractor Summary
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Cage: HO797
Name: AKZO CHEMICLALS INC (FORMERLY STAUFFER CHEM CO)
Address: 300 S. RIVERSIDE PALZA
City: CHICAGO IL 60606
Phone: 312-906-7500
Cage: 97854
Name: AKZO NOBEL CHEMICALS INC
Address: 300 S. RIVERSIDE PLAZA
City: CHICAGO IL 60606-6613
Phone: 312-906-7500 TECH: 800-828-792

Cage: 5U815
Name: MAHOGANY CO.
Address: 1100 ATLANTIC AVENUE
City: MAYS LANDING NJ 08330-2006
Phone: 609-625-8101

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Item Description Information
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Item Manager: S9G
Item Name: METHYL ETHYL KETONE PEROXIDE-DIMETHYL PHTHALATE MIXTURE
Specification Number: MIL-P-87938
Type/Grade/Class: GRADE A
Unit of Issue: BT
Quantitative Expression: 00000000008LB
UI Container Qty: 1
Type of Container: BOTTLE

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Ingredients
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Cas: 1338-23-4
RTECS #: EL9450000
Name: METHYL ETHYL KETONE PEROXIDE (MEKP) (CERCLA), ACTIVE OXYGEN
CONTENT =
 8.9%
% Wt: 32.000
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

Cas: 131-11-3
RTECS #: TI1575000
Name: DIMETHYLPHTHALATE (SARA 313) (CERCLA)
% Wt: 45-50
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 5 MG/M3
ACGIH TLV: 5 MG/M3; 9596
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 7722-84-1
RTECS #: MX0900000

Name: HYDROGEN PEROXIDE (SARA 302)
% Wt: 5.000
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 1 PPM
ACGIH TLV: 1 PPM; 9596

Cas: 6846-50-0
RTECS #: SA1420000
Name: 2,2,4-TRIMETHYLPENTANEDIOL-1,3-DIISOBUTYRATE
% Wt: 15-20
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 7732-18-5
RTECS #: ZC0110000
Name: WATER
% Wt: 2.000
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

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Health Hazards Data
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: INHAL:VAP/MIST CAN CAUSE SEVERE IRRIT TO RESP
TRACT,CENTRAL NERVOUS SYSTEM DEPRESS.SKIN:CAN CAUSE CHEM BURNS W/
SEVERE
BLISTERING.EYE:CAN CAUSE IMMED SEVERE RX,MAY RESULT IN LOSS OF
FUNCTIONAL
VISION IN INVOLVED EYE.INGEST:MAY CAUSE BURNING SENS OF MOUTH, ABD
PAIN,CHEM
BURNS OF GI TRACT W/SCARRING/STRICTURE OF (SUPPLEM
Explanation Of Carcinogenicity: PER MSDS:CARCINOGENICITY:IARC/NTP/
OSHA/
ACGIH:NO.
Signs And Symptions Of Overexposure: SEVERE IRRIT TO RESP TRACT, CNS

DEPRESS,

CHEM SKIN BURNS W/SEVERE BLISTERING, IMMEDIATE SEVERE EYE RX MAY RESULT IN LOSS

OF VISION, BURNING SENS OF MOUTH, ABDOMINAL PAIN, CHEM BURNS OF GI TRACT W/

SCARRING & STRICTURE OF ESOPHAGUS, NAUSEA, VOMIT, DIARR, HEAD, DIZZ, CNS

DEPRESS W/HYPOTENSION, UNCONSCIOUS.

Medical Condition Aggravated By Exposure: PERSONS W/PRE-EXISTING SKIN &/OR RESPIRATORY DISEASE MAY BE AT INCREASED RISK IF EXPOSED TO THIS MATERIAL.

TARGET

ORGANS: OVEREXPOSURE MAY AFFECT SKIN, EYES, RESPIRATORY SYSTEM.

First Aid: INHALATION: REMOVE TO FRESH AIR. DIFFICULT BREATH GIVE OXYGEN W/DRUG ADVICE. NOT

BREATH GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION. SKIN: IMMEDIATELY REMOVE CONTAMINATED CLOTHING/SHOES. WASH

W/ SOAP/PLENTY OF WATER FOR AT LEAST 15 MINUTES. DON'T ATTEMPT TO NEUTRALIZE W/ CHEMICAL

AGENTS. GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH W/LARGE QUANTITY RUNNING WATER FOR 15 MINUTES

MINUTE; HOLD EYELIDS OPEN. REMOVE CONTACT LENSES. DON'T RUB/NEUTRALIZE W/CHEMICAL AGENTS. GET MEDICAL ATTENTION IMMEDIATELY. INGESTION: IMMEDIATELY GIVE (SUPPORTIVE)

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Handling and Disposal

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Spill Release Procedures: REMOVE ALL IGNITION SOURCES. STOP SPILL SOURCE. USE NON-SPARKING TOOLS. DIKE TO PREVENT SPREADING. FIRE/EXPLOSION HAZARD IN SEWERS.

VENTILATION-

PREVENT FORMATION OF FLAMMABLE/OXYGEN DEFICIENT ATMOSPHERE. USE PROPER PPE. STAY UPWIND. SOAK

W/POLY ETHYLENE FOAM ABSORBENT. SWEEPUP/PLACE IN CONTAINER.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: D001, D003 PER RCRA ON UNUSED PRODUCT IF WASTE MATERIAL. WASTE

GENERATOR RESPONSIBILITY TO EVALUATE WHERE WASTE HAZARD BY CHARACTERIZATION LISTING. DISPOSE WASTE MATERIAL/EMPTY CONTAINER IN ACCORDANCE WITH FEDERAL/STATE/LOCAL REGULATIONS. STATE/LOCAL REGULATIONS

MAY BE MORE STRINGENT THAN FEDERAL REGULATIONS. ENVIRONMENTAL HAZARD MATERIAL PRESENT

Handling And Storage Precautions: ELECTRICALLY GROUND TANK/CONTAINER/TOOLS/APPLIANCES. GROUND/BOND ALL VESSELS WHEN TRANSFER- PREVENT ACCUMULATION OF STATIC

DISCHARGE. STORE TEMPERATURE < 86°F.

Other Precautions: EMPTY CONTAINER RETAIN RESIDUE-FOLLOW ALL WARNING/PRECAUTION

EVEN AFT

EMPTIED.ENSURE AGAINST POSSIBLE EXO SELF ACCELERATING DECOMPO STORE
TEMP NOT

>131F.KEEP CNTNR TIGHTLY CLSD.STORE AWAY FROM RED AGENTS/ACCELE R.
OPN

WHEN READY TO USE.

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Fire and Explosion Hazard Information
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Flash Point Method: SCC

Flash Point Text: 180F,82C

Autoignition Temp Text: ND

Lower Limits: ND

Upper Limits: ND

Extinguishing Media: USE WATER FOG,DRY CHEM,CO2,FOAM EXTINGUISHING
AGENTS.

LG:LG AMTS OF WTERSPRAY,FOG,FOAM FROM SAFE/PROT POSISTION.

Fire Fighting Procedures: PREVENT EXPO TO FIRE/SMOKE/FUME/COMBUST
PROD.EVACUATE

NONEXXENTI PEOPLE.WEAR FULLFACE SCBA,IMPERV PROT CLOTH.MOVE CNTNR
FROM FIRE

AREA;COOL W/WATER FOG/SPRAY.

Unusual Fire/Explosion Hazard: PRODUCT HIGHLY REACTIVE & THERMALLY
UNSTABLE.PEROXIDES & THEIR DECOMPO PRODUCTS ARE FLAMM & CAN IGNITE
W/EXPLO FORCE IF CONFINED.

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Control Measures
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Respiratory Protection: NIOSH APPROV ORG VAP RESP W/DUST/MIST/FUME
FILT- REDUCE

POT FOR INHAL EXPO IF USE CONDITIONS GENERATE VAP/MIST/AERO/ADQUA
VENTI

N/AVAI.NECESSARY HI LEVEL OF PROT USE NIOSH APPROV +PRESS/PRESS
DEMAND A

IRSUPP RESP.CHANGE CANIS/CARTR FREQUENTL

Ventilation: LOC EXHAU VENTI/ENCLSD/SYS DESIGN/CONT MONITORING
DEVICES/ PROCESS

ISO/REMOTE CNTRL-TRADITIONAL EXPO CONTROL TECHNIQUES.

Protective Gloves: PERMEATION RESISTANT GLOVES.

Eye Protection: CHEM GOGG &/OR FULL FACESHIELD.

Other Protective Equipment: PERMEATION RESIST CLOTH/FOOTWEAR.SAF
SHOWERS(QUICK

OPN VALV WHICH STAY OPN),EYEWASH FOUNTAINS,WATER SUPPLY.

Work Hygienic Practices: WASH CONTAM CLOTH BEF REUSE;CLEAN WELL/
DESTROY CONTAM

SHOES.WASH WELL AFT HNDLG.WASH BEF EAT/DRINK/SMOKE/END OF WORKSHIF
Supplemental Safety and Health: HEALTH HAZ:ESOPHAGUS.NAU,VOMIT,DIARR,
HEAD,

DIZZ,CNS DEPRESS W/HYPOTENSION/UNCONSC. HEALTH HAZ:SEVERAL GLASSES
OF

WATER.DON'T INDUCE VOMIT;IF SO KEEP HEAD BEL HIPS-ASPIRATION RISK.
GIVE FLUIDS

AGAIN.CAL L DR.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC/CONVUL.DR:
DELAY

KERATITIS. ACTIVE OXYGEN CONTENT OF THIS PRODUCT IS 8.9%.

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Physical/Chemical Properties
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HCC: P1

B.P. Text: ND

M.P/F.P Text: ND

Vapor Pres: ND

Vapor Density: ND

Spec Gravity: 1.17 @25C

PH: ND

Evaporation Rate & Reference: ND

Solubility in Water: ND

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

Percent Volatiles by Volume: ND
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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: MAY DECOMPOSE IF EXPO TO TEMPERATURE
ABOVE

131F.SADT(SELF ACCEL DECOMPO TEMP)=140F.

Materials To Avoid: AVVOID CONTACT W/STRONG ACIDS,STRONG ALKALIS,
STRONG

OXIDIZERS,ACCELERATORS, REDUCING AGENTS.

Hazardous Decomposition Products: THERM DECOMP PROD MAY INCLUDE TOXIC
OXIDES OF

CARBON & FLAMM GASES & VAP. INCLUDE CO,CO2,ETHANE,METHANE.

Hazardous Polymerization Indicator: NO
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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: HO797

Trans ID NO: 108813

Product ID: CADOX M-50

MSDS Prepared Date: 03/07/1997

Review Date: 09/03/1998

MFN: 1

Tech Entry NOS Shipping Nm: METHYL ETHYL KETONE PEROXIDE <=45%

Net Unit Weight: 8 LB

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: BT

Container QTY: 1

Type Of Container: BOTTLE

Additional Data: IAW 71-4 (AF1) TABLE A4.1, COLUMN 1, TECHNICAL NAME IS

(METHYLETHYL KETONE PEROXIDE) IS REQUIRED IN ASSOCIATION WITH THE PSN. THE

ACTIVE OXYGEN CONTENT OF THIS PRODUCT IS 8.9 %.

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Detail DOT Information
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DOT PSN Code: KZH

Symbols: G

DOT Proper Shipping Name: ORGANIC PEROXIDE TYPE E, LIQUID

Hazard Class: 5.2

UN ID Num: UN3107

DOT Packaging Group: II

Label: ORGANIC PEROXIDE

Packaging Exception: 152
Non Bulk Pack: 225
Bulk Pack: NONE
Max Qty Pass: 10 L
Max Qty Cargo: 25 L
Vessel Stow Req: D
Water/Ship/Other Req: 12,40

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Detail IMO Information
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IMO PSN Code: ZZY
IMO Proper Shipping Name: FORBIDDEN BY THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZY
IATA Proper Shipping Name: FORBIDDEN BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: SNL
AFI Symbols: *
AFI Proper Shipping Name: ORGANIC PEROXIDE TYPE E, LIQUID
AFI PSN Modifier: (SPECIFIC TECHNICAL NAME REQUIRED, SEE PARAGRAPH A9.4)
AFI Hazard Class: 5.2
AFI UN ID NUM: UN3107
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: TABLE A9.1
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HAZCOM Label
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Product ID: CADOX M-50
Cage: HO797
Assigned IND: Y
Company Name: AKZO CHEMICALS INC (FORMERLY STAUFFER CHEM CO)
Street: 300 S. RIVERSIDE PALZA
City: CHICAGO IL
Zipcode: 60606
Health Emergency Phone: 800-424-9300(CHEMTREC)/914-693-6946
Label Required IND: Y
Date Of Label Review: 10/01/1997

Status Code: C
MFG Label NO: UNKNOWN
Label Date: 10/01/1997
Year Procured: 1997
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Moderate
Fire Hazard: None
Reactivity Hazard: Severe
Hazard And Precautions: ORGANIC PEROXIDE.HEAT/CONTAMIN MAY CAUSE HAZ
DECOMPO.CAUSES SEVERE EYE BURNS/SKIN BURNS.HARMFUL IF ABSORBED THRU
SKIN.
COMBUSTIBLE LIQ/VAP.OVEREXPO MAY CAUSE CENTRAL NERVOUS SYSTEM
DEPRESS &
MAY AFFEC T LIVER,KIDNEYS,LUNGS.TARG ORG:SKIN/EYE/RES SYS.1ST AID:
INHAL:MOVE
TO FRESH AIR.DIFFI BREATH GIVE OXY W/DR ADVICE.NOT BREATH GIVE ART
RESP.GET
MED ATTN.SKIN:IMMED REMOVE CONTAM CLOTH/SHOE.WASH W/SOAP/L OTS OF
WATER
@LEAST 15MINS.DON'T NEUTRA W/CHEM AGENTS.GET MED ATTN.EYE:IMMED
FLUSH W/ LOTS
OF WATER 15MINS MIN,OPN EYELIDS.DON'T RUB/NEUTRA W/CHEM AGENTS.GET
MED ATTN
IMMED.INGEST:IMMED GIVE SEVERAL G LASSES OF WATER.DON'T INDUCE
VOMIT. GET MED
ATTN.

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