



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 542D CREW TRAINING WING (MAC)
KIRTLAND AIR FORCE BASE, NEW MEXICO 87117 - 5000

ENTERED

FILE KAFB
BLV 91

1 NOV 1991

Mr Bruce Swanton
New Mexico Environmental Division
1190 St. Francis Drive
Harold Runnels Building
Santa Fe NM 87503

Dear Mr Swanton

The following information is provided as a follow-up to our notification on 8 October 1991 between Mr Walter Darr (Chief of Compliance and Assessment, Environmental Management, KAFB) and you.

Kirtland Air Force Base (KAFB) was storing 26 pounds of Methyl Ethyl Ketone Peroxide (attachment 1) in the Hazardous Waste Storage Facility for disposal. When the disposers came to pick up the waste (MEK-P) the containers were buldging. They could not accept or move the waste in its present condition. KAFB requested approval for the Explosive Ordnance Disposal (EOD) personnel to pick up.

On 9 October 1991 the EOD personnel picked up the 26 pounds of MEK-P and transported to the EOD range for disposal due to the dangerous nature of the chemical.

If you have any questions, please call Walter Darr at 846-0029.

Thomas A. Norris, Col, USAF
Director
Environmental Management Division

1 Atch
MEK-P MSDS



KAFB1180



DoD Hazardous Materials Information System
DoD 6050.5-LR
AS OF 1 Aug 90
For U.S. Government Use Only

FSC: 6850
NIIN: 00N008484 Manufacturer's CAGE: 33333
Part No. Indicator: A
Part Number/Trade Name: NOROX MEKP-9

=====
General Information
=====

Safety Data Action Code:
Safety Focal Point: N
Record No. for this Safety Entry: 001
Total Safety Entries-This Stock No.: 001
Status:
Date MSDS Prepared: INTERIM
Safety Data Review Date: 26FEB87
Supply Item Manager:
Item Name:
Manufacturer's Name: THE NORAC COMPANY, INC.
Manufacturer's Street:
Manufacturer's P.O. Box:
Manufacturer's City:
Manufacturer's State:
Manufacturer's Country:
Manufacturer's Zip Code:
Manufacturer's Emergency Telephone Number: 213-334-2908
Manufacturer's Information Telephone Number:
MSDS Preparer's Name:
Preparer's Company:
Preparer's Street or P.O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Distributor/Vendor No. 1:
Distributor/Vendor No. 1 CAGE:
Distributor/Vendor No. 2:
Distributor/Vendor No. 2 CAGE:
Distributor/Vendor No. 3:
Distributor/Vendor No. 3 CAGE:
Distributor/Vendor No. 4:
Distributor/Vendor No. 4 CAGE:
Other MSDS Number:
MSDS Serial Number: BCQKG
Specification Number:
Specification Type, Grade, Class:
Hazard Characteristic Code:
Unit Of Issue:
Unit Of Issue Container Quantity: N/K
Type Of Container: N/K
Net Unit Weight: N/K
NRC/State License Number: N/A
Net Explosive Weight:

Net Propellant Weight-Ammo: N/A
Coast Guard Ammunition Code:

=====
Ingredients/Identity Information
=====

Proprietary: NO
Ingredient Action Code:
Ingredient Focal Point: N
Ingredient Sequence No.: 01
NIOSH (RTECS) No.: EL9450000
CAS NO.:
Ingredient: METHYL ETHYL KETONE PEROXIDE
ACGIH TLV: 34
OSHA PEL:
ACGIH TLV: C,0.2 PPM
Other Recommended Limit:

Proprietary: NO
Ingredient Action Code:
Ingredient Focal Point: N
Ingredient Sequence No.: 02
NIOSH (RTECS) No.: TI1575000
CAS NO.: 131-11-3
Ingredient: DIMETHYLPHTHALATE
Percent: 59
OSHA PEL: 5 MG/M3
ACGIH TLV: 5 MG/M3; 8990
Other Recommended Limit:

Proprietary: NO
Ingredient Action Code:
Ingredient Focal Point: N
Ingredient Sequence No.: 03
NIOSH (RTECS) No.: AH5600000
CAS NO.:
Ingredient: 2-ETHYLHEXYL ACETATE
Percent: 7
OSHA PEL:
ACGIH TLV: UNKNOWN (MFR)
Other Recommended Limit:

=====
Physical/Chemical Characteristics
=====

Appearance And Odor: WATER WHITE LIQUID-SLIGHT ODOR.
Boiling Point: N/K
Melting Point:
Vapor Pressure (MM Hg/70 F): N/K
Vapor Density (Air=1): >1
Specific Gravity: 1.10
Decomposition Temperature:

Evaporation Rate & Reference: N/K
Solubility In Water: SLIGHT
Percent Volatiles By Volume: N/K
Viscosity:
pH:
Radioactivity:
Form (Radioactive Matl):
Magnetism (milligauss):
Corrosion Rate (IPY):
Autoignition Temperature:

=====
Fire and Explosion Hazard Data
=====

Flash Point: >200F,93C (COC)
Flash Point Method:
Lower Explosive Limit: N/K
Upper Explosive Limit: N/K
Extinguishing Media: WATER FOG. FOR VERY SMALL FIRES,CO*2,FOAM OR DRY
CHEMICAL.
Special Fire Fighting Procedures: WATER FROM SAFE DIST-PREFER FOG NOZZ.COOL
CNTNR W/H*20 SPRAY
Unusual Fire and Explosion Hazards: IT SHOULD BE REMEMBERED THAT PART OF THE
OXYGEN FOR COMBUSTION IS SUPPLIED BY THE PEROXIDE ITSELF.

=====
Reactivity Data
=====

Stability: YES
Conditions To Avoid (Stability): STORE BY ITSELF AWAY FROM OTHER FLAMMABLE
MATERIAL.
Materials To Avoid: COBALT NAPHTHENATE&OTHR PROMOTERS,ACCELERATORS,REDUCING
AGNT
Hazardous Decomposition Products:
Hazardous Polymerization Occur: NO
Conditions To Avoid (Polymerization):

=====
Health Hazard Data
=====

LD50-LC50 - Mixture:
Route Of Entry - Inhalation:
Route Of Entry - Skin:
Route Of Entry - Ingestion:
Health Hazards - Acute And Chronic:
Carcinogenity - NTP:
Carcinogenity - IARC:
Carcinogenity - OSHA:
Explanation Of Carcinogenity:
Signs and Symptoms Of Overexposure: INHAL:POSS MUCOUS MEMBRANE
IRRIT&VERTIGO.EYE:EXTREMELY IRRIT&CORROSIVE;POSS PERMANENT (SEE SUPP DATA
Medical Conditions Aggravated By Exposure:
Emergency And First Aid Procedures: SKIN:WASH CONTAM AREA THOROUGHLY
W/SOAO&H*20. EYE:BEGIN WASHING WITHIN 4 SEC OF EXPOSURE (FPN). IRRIGATE FOR
30MIN (MFR);WASH UNDER EYELIDS (FPN). CALL PHYS. INGEST:TAKE LRG AMTS MILK/H*20,
IMMED CALL PHYS. INHAL:REMOVE TO FRESH AIR,CALL PHYS (FPN).

Precautions for Safe Handling and Use

Steps if Material is Released or Spilled: SPILLED MATERIAL SHOULD FIRST BE ABSORBED IN A NON-COMBUSTIBLE MATERIAL SUCH AS VERMICULITE & BURNED OR DECOMPOSED. USE ONLY WHITE CLEAN RAGS TO CLEAN SURFACE. DECONTAMINATE THE RAGS BY SOAKING IN SODA ASH SOLUTION BEFORE DISCARDING (MFR).

Neutralizing Agent:

Waste Disposal Method: SPILLED/CONTAMINATED MATL SHOULD BE DISPOSED OF IMMEDIATELY BY BURNING IN SMALL AMTS IN A SAFE PLACE, PREFER A TRENCH, IGNITING BY TORCH ON LONG POLE. IF THIS NOT POSS, CAN BE DECOMPOSED BY ADDING SLOWLY, W/STIRRING, TO EXCESS OF 5% NAOH/SODA ASH (SEE OTHR PREC)

Precautions to be Taken in Handling and Storing: NEVER ADD TO HOT SOLVENT/MONOMERS-VIOLENT DECOMP &/OR REACTION MAY RESULT. WHEN USE SPRAY EQUIP, NEVER SPRAY RAW MEKP-9 ONTO CURING OR (SEE OTHR PRECAU)

Other Precautions: HANDLING&STORING: INTO RAW RESIN/FLUES. COLLECT IN WATER BUCKET&DECOMPOSE. DONT STORE WITH/USE NEAR FOOD, DRINK. STRONG IRRIT. AVOID INGEST, EYE&SKIN CONT. WASTE DISP: SOLN (MFR). IAW FED. STATE, LOC REGS

Control Measures

Respiratory Protection: NONE

Ventilation: GENERAL MECHANICAL-KEEP EXPOSURE BELOW TLV.

Protective Gloves: IMPERVIOUS

Eye Protection: CHEMICAL WORKERS GOGGLES

Other Protective Equipment: HAVE EYEWASH STATION&CHEM SFTY SHOWER IMMEDIATELY ACCESSIBLE (FPN)

Work Hygienic Practices:

Supplemental Safety and Health Data: EFFECTS OF OVEREXP: EYE INJURY; EXPOS FOR SEVERAL MINUTES BEFORE WASH W/H*20 HAS RESULTED IN BLINDNESS (FFPN). SKIN-SEVERE IRRIT; MAY BE ABSORBED (FP N). INGEST: MAY BE FATAL (FPN). N/K=NOT KNOWN.

Transportation Data

Transportation Action Code:

Transportation Focal Point: N

Transportation Data Review Date: 87093

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

DOT Class: N/R

DOT Label: N/R

Limited Quantity: N/R

DOT Mode Indicator:

Identification Number: N/R

Reportable Quantity: N/R

DOT/DoD Exemption No.: N/R

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IMO Regulations Page No.: N/R

IMO UN Number: N/R

IMO UN Class: N/R

IMO Subsidiary Risk Label: N/R

IATA PSN Code: ZZZ

IATA Un ID Number: N/R

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

14

IATA UN Class: N/R
IATA Subsidiary Risk Class: N/R
IATA Label: N/R
AFR 71-4 PSN Code: ZZZ
AFR 71-4 Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
AFR 71-4 Class: N/R
AFR 71-4 Label: N/R
AFR 71-4 ID Number: N/R
AF MMAC Code:
Technical Entry for N.O.S. Shipping Name:
Additional Transportation Data: NOT REGULATED FOR SHIPPING

=====

Disposal Data

=====

Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Record No. for this Disposal Entry:
Total Disp Entries - This Stock No.:
Accountability Acceptance By DRMS:
DRMS Disposal Assistance Service Only:
EIS/EA Availability:
Disposal Cycle Bypass - Reutilization (New Condition):
Disposal Cycle Bypass - Transfer (New Condition):
Disposal Cycle Bypass - Donation (New Condition):
Disposal Cycle Bypass - Sales (New Condition):
Disposal Cycle Bypass - Reutilization (Used Condition):
Disposal Cycle Bypass - Transfer (Used Condition):
Disposal Cycle Bypass - Donation (Used Condition):
Disposal Cycle Bypass - Sales (Used Condition):
Disposal Supplement Code:
Disposal Supplemental Data:
1st EPA Hazardous Waste Edit Table Code (New Condition):
1st EPA Hazardous Waste Code (New Condition):
1st EPA Hazardous Waste Name (New Condition):
1st EPA Hazardous Waste Characteristics (New Condition):
1st EPA Acute Hazard (New Condition):
2nd EPA Hazardous Waste Edit Table Code (New Condition):
2nd EPA Hazardous Waste Code (New Condition):
2nd EPA Hazardous Waste Name (New Condition):
2nd EPA Hazardous Waste Characteristics (New Condition):
2nd EPA Acute Hazard (New Condition):
3rd EPA Hazardous Waste Edit Table Code (New Condition):
3rd EPA Hazardous Waste Code (New Condition):
3rd EPA Hazardous Waste Name (New Condition):
3rd EPA Hazardous Waste Characteristics (New Condition):
3rd EPA Acute Hazard (New Condition):
1st EPA Hazardous Waste Edit Table Code (Used Condition):
1st EPA Hazardous Waste Code (Used Condition):
1st EPA Hazardous Waste Name (Used Condition):
1st EPA Hazardous Waste Characteristics (Used Condition):
1st EPA Acute Hazard (Used Condition):
2nd EPA Hazardous Waste Edit Table Code (Used Condition):
2nd EPA Hazardous Waste Code (Used Condition):

15

2nd EPA Hazardous Waste Name (Used Condition):
2nd EPA Hazardous Waste Characteristics (Used Condition):
2nd EPA Acute Hazard (Used Condition):
3rd EPA Hazardous Waste Edit Table Code (Used Condition):
3rd EPA Hazardous Waste Code (Used Condition):
3rd EPA Hazardous Waste Name (Used Condition):
3rd EPA Hazardous Waste Characteristics (Used):
3rd EPA Acute Hazard (Used Condition):
1st Disposal Code (Small Quantity):
1st Disposal Method (Small Quantity):
2nd Disposal Code (Small Quantity):
2nd Disposal Method (Small Quantity):
3rd Disposal Code (Small Quantity):
3rd Disposal Method (Small Quantity):
1st Disposal Code (Large Quantity):
1st Disposal Method (Large Quantity):
2nd Disposal Code (Large Quantity):
2nd Disposal Method (Large Quantity):
3rd Disposal Code (Large Quantity):
3rd Disposal Method (Large Quantity):
Disposal Restrictions Code:
Disposal Restrictions:
Reportable Quantity-Disposal File:
EPA Hazard Waste Label:
Waste Proper Shipping Name:
Contract Line Item Number:

=====
Label Data
=====

Label Required:
Date of Technical Review:
Label Date:
Manufacturer's Label No.:
Label Status:
Chemical/Common Name:
Chronic Hazard:
Signal Word:
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate:
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight:
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate:
Fire Hazard-Severe:
Reactivity Hazard-None:
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Specific Hazards & Precautions:

Protect Eyes:
Protect Skin:
Protect Respiratory:
Manufacturer's Name - Label:
Manufacturer's Street - Label:
Manufacturer's P.O. Box - Label:
Manufacturer's City - Label:
Manufacturer's State - Label:
Manufacturer's Zip Code - Label:
Manufacturer's Country - Label:
Manufacturer's Emergency Telephone Number - Label:
Procurement Year: