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DATE OF ISSUE
10/25/85SUPERSEDES
10/25/85

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS		TRADE NAME & SYNONYMS	
N/A		KILZONE AEROSOL	
CHEMICAL FAMILY		FORMULA	
METHYL CARBAMATE INSECTICIDE		X--MIXTURE	
MANUFACTURERS NAME:			
NATIONAL CHEMSEARCH DIV. OF NCH CORP.			
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)			
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IRVING, TEXAS 75015			
PREPARED BY:	PRODUCT CODE NUMBER	EMERGENCY TELEPHONE NUMBER	
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SECTION II- HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS AS THE PRODUCT MIXTURE HAS NOT BEEN TESTED AS A WHOLE.

CHEMICAL NAME (INGREDIENTS)	HAZARD	TLV*	PEL*	CAS#
PETROLEUM DISTILLATE	COMBUST.	100 PPM 6	500MG/M3 6	8030-30-6
ETHYLENE GLYCOL MONOBUTYL				
ETHER	SKIN IRR.	25 PPM 1.	50 PPM 2.	111-76-2
ISOPROPANOL	FLAMMABLE	400-PPM 3.	980MG/M3 3	67-63-0
2-(1-METHYLETHOXY)PHENYL				
METHYLCARBAMATE	MUT.	500MG/M3 1	NOT EST.	114-26-1

KILZONE AEROSOL

SECTION III - PHYSICAL DATA

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BOILING PT. (FAHRENHEIT)	180	SPEC GRAVITY (H2O=1)	0.780
VAPOR PRESSURE (MM HG)	2	COLOR	AMBER
VAPOR DENSITY (AIR=1)	3	ODOR	TYPICAL
PH @ 100%	N/A	CLARITY	TRANSPARENT
PERCENT VOLATILE BY VOLUME (%)	98	EVAPORATION RATE (BU AC = 1)	< 0.1
SOLUBILITY IN WATER	APPRECIABLE		
VISCOSITY	NON-VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	LEL	UEL
140 F. C.D.C.		N/A	N/A
EXTINGUISHING MEDIA "ALCOHOL"			
X--FOAM	X--CO2	X--CHEMICAL	X--WATER SPRAY
			X--OTHER

SPECIAL FIRE FIGHTING PROCEDURES
USE WATER IN FINE SPRAY TO COOL UNBROKEN CONTAINERS TO PREVENT BURSTING FROM EXCESSIVE PRESSURE. SELF-CONTAINED BREATHING APPARATUS AND RUBBER PROTECTIVE CLOTHING SHOULD BE WORN.

UNUSUAL FIRE & EXPLOSION HAZARDS
FIRE FIGHTING SHOULD BE DONE FROM UPWIND TO MINIMIZE POSSIBILITY OF EXPOSURE TO PESTICIDE SMOKE AND FUMES. EVACUATE PEOPLE DOWNWIND AS APPROPRIATE. SEE HAZARDOUS DECOMPOSITION PRODUCTS.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE :

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE

- ACUTE - (SHORT TERM EXPOSURE)
SYMPTOMS OF OVEREXPOSURE ARE HEADACHE, DIZZINESS, CONSTRICTED PUPILS, NAUSEA, VOMITING, SWEATING, RESPIRATORY DEPRESSION AND CHOLINESTERASE DEPRESSION. EYE CONTACT PRODUCES TEARING, IRRITATION AND DISCOMFORT.

CHRONIC - (LONG TERM EXPOSURE)
CONTINUAL EXPOSURE MAY CAUSE DAMAGE TO UPPER RESPIRATORY TRACT. CONTINUAL
EYE EXPOSURE CAN LEAD TO DESTRUCTION OF EYE TISSUE.
TARGET ORGANS INCLUDE LIVER, KIDNEYS AND SKIN.

PRIMARY ROUTE OF ENTRY: X<-- INHALATION <-- INGESTION X<-- ABSORPTION

EMERGENCY & FIRST AID PROCEDURES

GET PERSON OUT OF CONTAMINATED AREA TO FRESH AIR. IF BREATHING HAS
STOPPED, ARTIFICIAL RESPIRATION SHOULD BE STARTED. OXYGEN MAY BE
ADMINISTERED, IF READILY AVAILABLE. SEEK MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES
HOLDING EYELIDS APART TO ENSURE FLUSHING OF THE EYE SURFACE. SEEK MEDICAL
ATTENTION IMMEDIATELY.

SKIN CONTACT:
IMMEDIATELY WASH CONTAMINATED SKIN WITH PLENTY OF SOAP AND WATER. IF
IRRITATION PERSISTS, SEEK MEDICAL ATTENTION IMMEDIATELY.

INGESTION:
CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. DO NOT INDUCE
VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL
ATTENTION IMMEDIATELY. IF VICTIM IS CONSCIOUS, GIVE LARGE AMOUNTS OF
WATER TO DILUTE STOMACH CONTENTS.

NOTES TO PHYSICIAN:
ASPIRATION HAZARD MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. CAUTIOUS
GASTRIC LAVAGE MAY BE INDICATED FOR INGESTION. ATROPINE SULFATE IS
ANTIDOTAL.

SECTION VI - TOXICITY INFORMATION

ALIPHATIC PETROLEUM DISTILLATE
UNK-MAN LDLO: 1176MG/KG 4.
ORL-RAT LD50: 286/KG 4.
ETHYLENE GLYCOL MONOBUTYL ETHER
ORL-RAT LD50: 1480MG/KG 5.
IHL-HMN TC20: 195PPM/8H IRR. 5.
ISOPROPANOL
ORL-HMN TDLO: 15.710MG/KG:CNS 1.
IHL-HMN TCLO: 400PPM 1.
2-(1-METHYLETHOXY)PHENYL METHYL CARBAMATE
ORL-RAT LD50: 83MG/KG 1.
SKN-RAT LD50: 800MG/KG 1.
MMO-SAT: 250NG/PLATE 1.

SECTION VII - REACTIVITY DATA

KILZONE AEROSOL

STABILITY	X<--STABLE	<--UNSTABLE	CONDITIONS TO AVOID

N/A

INCOMPATIBILITY (MATERIALS TO AVOID)

ALKALINE MATERIALS, STRONG OXIDANTS.

HAZARDOUS DECOMPOSITION PRODUCTS

OXIDES OF CARBON AND ACRID FUMES AND SMOKE

HAZARDOUS	WILL NOT X <-- OCCUR	MAY <-- OCCUR	CONDITIONS TO AVOID

POLYMERIZATION
N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
THE PRODUCT IS IN AN AEROSOL SO A SPILL IS UNLIKELY. IN CASE OF
LEAKAGE, CONTAIN SPILL, PICK UP WITH AN ABSORBANT. DO NOT FLUSH
TO SEWER. PLACE INTO LABELED CONTAINER AND SEAL. CONTACT YOUR
STATE PESTICIDE OR ENVIRONMENTAL CONTROL AGENCY, OR THE HAZARDOUS
WASTE REPRESENTATIVE AT THE NEAREST EPA REGIONAL OFFICE FOR GUIDANCE.

WASTE DISPOSAL METHOD
REPLACE THE CAP ON THE AEROSOL CONTAINER AND SECURELY WRAP THE ORIGINAL
CONTAINER IN SEVERAL LAYERS OF NEWSPAPER AND DISCARD IN TRASH. DO NOT
INCINERATE OR PUNCTURE.

NEUTRALIZING AGENT

SOAP AND WATER WILL NEUTRALIZE.

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
GOOD INDUSTRIAL HYGIENE PRACTICE DICTATES THAT THE WORK AREA SHOULD BE
ISOLATED AND CONTAINED AND PROVIDED WITH ADEQUATE GENERAL EXHAUST
VENTILATION OR OTHER CONTROLS TO MAINTAIN THE AIR CONCENTRATION OF
PETROLEUM DISTILLATE BELOW 100 PPM AS REQUIRED BY OSHA.

RESPIRATORY PROTECTION

RESPIRATOR SELECTION:

50MG/M3: CCR0VDMFUEPST/SA/SCBA

50MG/M3: CCR0VDMFUEPST/GMOVDMFUEPST/SAF/SCBAF

5000MG/M3: PPOVHIEPPEST/SA:PD,PP,CF

ESCAPE: GMOVPPPEST/SCBA

NOTE: DUE TO AEROSOL PACKAGING OF THIS PRODUCT, THE USE OF RESPIRATORS
IS HIGHLY UNLIKELY EXCEPT IN CASE OF A MAJOR EMERGENCY.

PROTECTIVE GLOVES
PROTECTIVE PVA GLOVES TO MINIMIZE SKIN
CONTACT.

EYE PROTECTION
SAFETY GOGGLES SHOULD BE WORN DEPENDING ON
SEVERITY OF EXPOSURE.

OTHER PROTECTION
PROTECTIVE CLOTHING SHOULD BE WORN DEPENDING
ON SEVERITY OF EXPOSURE.

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE
120 F. <--MAX 35 F. <--MIN | INDOOR | HEATED | REFRIGERATED | OUTDOOR

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
KEEP AWAY FROM IGNITION SOURCES. STORE IN A
COOL, DRY PLACE. WASH THOROUGHLY AFTER
HANDLING.

OTHER PRECAUTIONS
AVOID CONTAMINATING WATER SOURCES. DO NOT ALLOW
SPRAY DRIFTS TO CONTACT DESIRABLE PLANTS. KEEP
OUT OF REACH OF CHILDREN AND ANIMALS. READ LABEL
BEFORE USE.

SECTION XI - TRANSPORTATION * (FOR FUTURE USE)

APPLICABLE REGULATIONS
<--49 CFR <--IMCO <--TARIFF 6 D <--IATA <--MILITARY AIR (AFR 71-4)

SHIPPING NAME

HAZARD CLASS | ID NUMBER | REPORT QTY

LABELS | LIMITED QTY

UNIT CONTAINER

DOT SPS CONTAINER | NET EXPLOSIVE WT.

AEROSOL PROPELLANT(S)

1. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 6TH EDITION,
N. IRVING SAX.
2. NIOSH POCKET GUIDE TO CHEMICAL HAZARDS, 1978.
3. THRESHOLD LIMIT VALUE FOR CHEMICAL SUBSTANCES IN THE WORK
ENVIRONMENT, 2ND EDITION, ACGIH, 1985.
4. NIOSH REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, 1982.
5. INDUSTRIAL HYGIENE AND TOXICOLOGY, 3RD EDITION, F.A. PATTY, 1981.
6. VENDOR'S MSDS.

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