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## SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS  
N/ATRADE NAME & SYNONYMS  
SQUAD AEROSOLCHEMICAL FAMILY  
AEROSOL PYRETHRUM INSECTICIDEFORMULA  
X<--MIXTUREMANUFACTURER'S NAME:  
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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 DISTILLATES	COMBUST.	100 PPM 3.	500MG/M3 3	8030-30-6
METHYLENE CHLORIDE	SUS/CARC1	100 PPM 4	350MG/M3 4	75-09-2

## SECTION III - PHYSICAL DATA

BOILING PT. (FAHRENHEIT)	N/A	SPEC GRAVITY (H2O=1)	0.790
VAPOR PRESSURE (MM HG)	N/A	COLOR	WATER WHITE
VAPOR DENSITY (AIR=1)	N/A	ODOR	PYRETHRINS

## SQUAD AEROSOL

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## SECTION III - PHYSICAL DATA

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PH @ 100%	N/A	CLARITY	TRANSPARENT
PERCENT VOLATILE BY VOLUME (%)	99	EVAPORATION RATE (BU AC = 1)	N/A
SOLUBILITY IN WATER	NEGLIGIBLE		
VISCOSITY	NON-VISCOUS		

## SECTION IV - FIRE AND EXPLOSION HAZARD

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

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)  
SEVERE IRRITATION TO EYES, REDNESS, TEARING AND BLURRED VISION CAUSES IRRITATION, DEFATTING OF SKIN. EXCESSIVE BREATHING OF VAPORS CAN LEAD TO NASAL & RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, NAUSEA AND POSSIBLE UNCONSCIOUSNESS, EVEN ASPHYXIATION. SWALLOWING CAN CAUSE NAUSEA, CRAMPS, VOMITING AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

- CHRONIC - (LONG TERM EXPOSURE)  
CAUSES MARKED IRRITATION TO EYES. EXCESSIVE OVEREXPOSURE TO SKIN CAN CAUSE DERMATITIS AND CHAPPING. TARGET ORGAN: SKIN.  
SYSTEMIC & OTHER EFFECTS: EXCESSIVE EXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM, LIVER OR KIDNEY EFFECTS. METHYLENE CHLORIDE HAS BEEN SHOWN TO

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## SECTION V - HEALTH HAZARD DATA

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INCREASE THE RATE OF SPONTANEOUSLY OCCURRING MALIGNANT TUMORS IN ONE STRAIN OF LABORATORY MOUSE AND BENIGN TUMORS IN LABORATORY RATS. OTHER ANIMAL STUDIES AND SEVERAL HUMAN EPIDEMIOLOGY STUDIES, FAILED TO SHOW A TUMORIGENIC RESPONSE RELATABLE TO METHYLENE CHLORIDE. IT IS NOT BELIEVED TO POSE A MEASURABLE CARCINOGENIC RISK TO MAN WHEN HANDLED AS RECOMMENDED. BIRTH DEFECTS ARE UNLIKELY. EXPOSURES HAVING NO EFFECT ON THE MOTHER SHOULD HAVE NO EFFECT ON THE FETUS. SEE SECTION VI - TOXICITY INFORMATION

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

## EMERGENCY &amp; FIRST AID PROCEDURES

INHALATION:  
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.

## SECTION VI - TOXICITY INFORMATION

## PETROLEUM DISTILLATES

UNK-MAN LDLO: 1176MG/KG 2.  
ORL-RAT LD50: 28G/KG 2.

SYSTEMIC & OTHER EFFECTS: (CONT.) DID NOT CAUSE BIRTH DEFECTS IN ANIMALS; OTHER EFFECTS WERE SEEN IN THE FETUS ONLY AT DOSES WHICH CAUSED TOXIC EFFECTS TO THE MOTHER. IN ANIMAL STUDIES, HAS BEEN SHOWN NOT TO INTERFERE WITH REPRODUCTION. NEGATIVE OR EQUIVOCAL RESULTS HAVE BEEN OBTAINED USING MAMMALIAN CELLS OR ANIMALS. THIS IS CONSISTENT WITH THE LACK OF INTERACTION WITH DNA IN RATS AND HAMSTERS. ALTHOUGH RESULTS OF AMES BACTERIAL TESTS HAVE GENERALLY BEEN POSITIVE, OVERALL THE DATA SUGGEST THAT GENOTOXIC POTENTIAL DOES NOT APPEAR TO BE A SIGNIFICANT FACTOR IN THE TOXICITY OF METHYLENE CHLORIDE.  
METHYLENE CHLORIDE CARCINOGENESIS  
ORL-MUS: 3500MG/KG LIFETIME 4.  
IHL-RAT: 5000MG/KG LIFETIME 4.

## SQUAD AEROSOL

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## SECTION VI - TOXICITY INFORMATION

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IHL-HMN TCLD: 500PPM/1Y TFX: CSN 5.

## SECTION VII - REACTIVITY DATA

STABILITY	X--STABLE	<--UNSTABLE	CONDITIONS TO AVOID
N/A			

N/A

## INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG ACIDS OR ALKALINE

HAZARDOUS DECOMPOSITION PRODUCTS  
WHEN HEATED TO DECOMPOSITION MAY PRODUCE PHOSGENE GAS, HCL, AND CL GAS.

HAZARDOUS	WILL NOT OCCUR	MAY OCCUR	CONDITIONS TO AVOID
X			

POLYMERIZATION

## 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

LIME IS A NEUTRALIZING AGENT TO THE PYRETHRIN.

## 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 LOCAL 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: CCROVDMFUEPST/SA/SCBA  
 250MG/M3: CCROVDMFUEPST/GMOVDMFUEPST/SAF/SCBAF  
 5000MG/M3: PAPOVHIEPPEST/SA:PD,PP,CF  
 ESCAPE: GMOVPPEST/SCBA

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  
 X

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

OTHER PRECAUTIONS  
 AVOID CONTAMINATING WATER SOURCES. DO NOT ALLOW  
 SPRAY DRIFTS TO CONTACT DESIRABLE PLANTS. KEEP  
 OUT 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

## SQUAD AEROSOL

(CONTINUED)

## SECTION XI - TRANSPORTATION \* (FOR FUTURE USE)

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UNIT CONTAINER

DOT SPS CONTAINER | NET EXPLOSIVE WT.

AEROSOL PROPELLANT(S)

## SECTION XII - REFERENCES

1. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 6TH EDITION, N. IRVING SAX.
2. NIOSH REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, 1982.
3. VENDOR'S MSDS.
4. THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES, ACGIH 1985-1986.
5. INDUSTRIAL HYGIENE AND TOXICOLOGY, 3RD EDITION, F.A. PATTY, 1981.

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