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DATE OF ISSUE  
09/05/86SUPERSEDES  
09/04/86

## SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS  
N/ATRADE NAME & SYNONYMS  
CHEMSTRIPCHEMICAL FAMILY  
SOLVENT PAINT STRIPPERFORMULA  
X<--MIXTUREMANUFACTURERS 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#
METHYLENE CHLORIDE	SUS CARC	100 PPM 5	500 PPM 5	75-09-2
METHYL ALCOHOL	TOXIC	200 PPM 1	200 PPM 1	67-56-1
ISOPROPNOL	FLAMM	400PPM 1	980MG/M3 1	67-63-0

## SECTION III - PHYSICAL DATA

BOILING PT. (FAHRENHEIT)	IBP 105	SPEC GRAVITY (H2O=1)	1.225
VAPOR PRESSURE (MM HG)	300	COLOR	LIGHT YELLOW

## CHEMSTRIP

(CONTINUED)

## SECTION III - PHYSICAL DATA

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VAPOR DENSITY (AIR=1)	2.0	ODOR	METHYLENE CHLORIDE
PH @ 100%	9.0	CLARITY	TRANSPARENT
PERCENT VOLATILE BY VOLUME (%)	95	EVAPORATION RATE (BU AC = 1)	14
SOLUBILITY IN WATER	NEGLIGIBLE		
VISCOSITY	VISCOUS		

## SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED) NON-FLAMOPEN CUP	FLAMMABLE LIMITS	N/A	LEL	N/A	UEL
EXTINGUISHING MEDIA <--FOAM	"ALCOHOL" <--FOAM	<--CO2	DRY <--CHEMICAL	WATER <--SPRAY	<--OTHER
SPECIAL FIRE FIGHTING PROCEDURES N/A					

UNUSUAL FIRE & EXPLOSION HAZARDS  
PHOSGENE MAY BE FORMED.

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE :

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE

- ACUTE - (SHORT TERM EXPOSURE)  
CAN LEAD TO CENTRAL NERVOUS DEPRESSION. CAN PRODUCE HEADACHE, DIZZINESS,  
NAUSEA, AND LOSS OF CONSCIOUSNESS.  
EYES: MODERATE TO SEVERE IRRITATION.  
SKIN: CONTACT CAN CAUSE BURNS.  
INGESTION: LOW SINGLE DOSE TOXICITY.  
INHALATION: ANESTHESIA AND EVEN DEATH MAY OCCUR IN CONCENTRATIONS  
ABOVE 10,000 PPM IN EXTREME INSTANCES THROUGH DISPLACEMENT OF  
OXYGEN.

- CHRONIC - (LONG TERM EXPOSURE).  
CENTRAL NERVOUS DEPRESSION, KIDNEY DAMAGE AND DERMATITIS. EYES: POSSIBLE

TRANSIENT CORNEAL INJURY. SKIN ABSORBANT. LOW TOXICITY. INHALATION: CARBOXYHEMOGLOBIN LEVEL CAN BE ELEVATED. SYSTEMIC & OTHER EFFECTS: EXCESSIVE EXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM, LIVER OR KIDNEY EFFECTS. METHYLENE CHLORIDE HAS BEEN SHOWN TO 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 MANY WHEN HANDLED AS RECOMMENDED. BIRTH DEFECTS ARE UNLIKELY. EXPOSURES HAVING NO EFFECT ON THE MOTHER SHOULD HAVE NO EFFECT OF THE FETUS. SEE SECTION VI--TOXICITY INFORMATION

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

#### EMERGENCY & FIRST AID PROCEDURES

INHALATION: MOVE TO FRESH AIR AND TREAT SYMPTOMATICALLY. GIVE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF BREATHING STOPS. GET MEDICAL HELP.

EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.

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

INGESTION: DO NOT INDUCE VOMITING EVEN IF VOMITING OCCURS. IF IT OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS. GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTES TO PHYSICIAN: DEPENDING ON THE AMOUNT INGESTED AND RETAINED AS WELL AS THE TOXICITY OF THE PRODUCT, GASTRIC LAVAGE SHOULD BE CONSIDERED. KEEP PATIENT'S HEAD BELOW HIPS TO PREVENT PULMONARY ASPIRATION. IF COMATOSE, A CUFFED ENDOTRACHEAL TUBE WILL PREVENT ASPIRATION. CONSULT A POISON CONTROL CENTER.

#### SECTION VI - TOXICITY INFORMATION

METHYLENE CHLORIDE  
CARCINOGENESIS:  
ORL-MUS: 3500MG/KG LIFETIME 1.  
IHL-RAT: 500MG/KG LIFETIME 2.  
IHL-HMN TCLO: 500PPM/LY-ITFX-CSN 3.  
IHL-HMN TCLO: 500PPM/8M TFX:BLD 3.  
METHYL ALCOHOL  
ORL-RAT TDLO: 7500MG/KG(17-19D PREG) 4  
ORL-RAT TDLO: 5628MG/KG 4.  
EYE-HMN: 5PPM 4.  
ISOPROPANOL  
EYE-HMN 20PPM 4.  
ORL-MAN LDLO: 8600MG/KG 4.  
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

#### CHEMSTRIP

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. SEE SECTION XII--REFERENCES

#### SECTION VII - REACTIVITY DATA

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

INCOMPATIBILITY (MATERIALS TO AVOID)

NONE

HAZARDOUS DECOMPOSITION PRODUCTS

CAN FORM PHOSGENE AT DECOMPOSITION TEMPERATURE.

HAZARDOUS	WILL NOT X <-- OCCUR	MAY <-- OCCUR	CONDITIONS TO AVOID
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POLYMERIZATION: N/A

#### SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
REMOVE ALL SOURCES OF IGNITION. PREVENT FROM ENTERING SEWER OR WATER SOURCES. VENTILATE ENCLOSED SPACES OR WEAR A RESPIRATOR. CLEAN UP. PUMP UP (EXPLOSION PROOF MOTORS) OR SOAK UP WITH SAND, COTTON WASTES OR ANY OTHER ABSORBANT MATERIAL. PLACE INTO LABELED CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD  
WASTES AND ABSORBANT WASTE MATERIAL SHOULD BE DISPOSED OF AS COMPOUNDS UNDER EPA HAZARD WASTE NO. U080. CHECK WITH ALL FEDERAL, STATE, AND LOCAL POLLUTION REGULATIONS FOR COMPLIANCE.

NEUTRALIZING AGENT

NONE

#### SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION  
LOCAL EXHAUST USUALLY ADEQUATE TO PROTECT WORKER FROM EXPOSURE TO LIMITS ABOVE THE TLV.

(CONTINUED)

SECTION IX - SPECIAL PROTECTION INFORMATION PAGE : 05

RESPIRATORY PROTECTION  
NONE REQUIRED WITH PROPER VENTILATION.  
IF NOT PROPERLY VENTILATED: 500 PPM SAF/SCBAF  
ESCAPE: GMDV/SCBA

PROTECTIVE GLOVES  
VITRON, PVA, OR EQUIVALENT TO PREVENT SKIN  
CONTACT.

EYE PROTECTION  
GOGGLES; DO NOT WEAR CONTACTS.

OTHER PROTECTION  
HEADGEAR AND APRON WHEN SPRAYING.

## SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
100 F. <--MAX	0 F. <--MIN	X		

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING  
STORE IN THE ORIGINAL CONTAINER ONLY.  
FOLLOW LABEL DIRECTIONS.

OTHER PRECAUTIONS  
KEEP OUT OF REACH OF CHILDREN.

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

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

SHIPPING NAME

HAZARD CLASS	ID NUMBER	REPORT QTY

LABELS	LIMITED QTY

UNIT CONTAINER

DOT SPS CONTAINER	NET EXPLOSIVE WT.

(CONTINUED)

SECTION XI - TRANSPORTATION \* (FOR FUTURE USE)

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AEROSOL PROPELLANT(S)

## SECTION XII - REFERENCES

1. INDUSTRIAL HYGIENE & TOXICOLOGY, 3RD EDITION, F.A. PATTY, 1981.
  2. CHEMICAL REGULATION REPORT
  3. NIOSH REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, 1982.
  4. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 6TH EDITION, N. IRVING S&X.
  5. THRESHOLD LIMIT VALUE FOR CHEMICAL SUBSTANCES IN THE WORK ENVIRONMENT, 2ND EDITION, ACGIH, 1985.
- SYSTEMIC & OTHER EFFECTS: 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.

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