

# MSDS

## SECTION 1 – Chemical Product and Company Identification

U S CHEMICAL & PLASTICS  
An Alco Industries Company  
600 Nova Drive SE  
Massillon, OH 44646  
PH 330-830-6000 - FAX 330-830-6005

For Chemical Emergency:  
CHEMTREC: 1-800-424-9300  
CANUTEC: 1-613-996-6666  
(For Canada call collect)

**PRODUCT NAME:** Aircraft Paint Stripper  
**PRODUCT CODE:** 495-1  
**SYNONYM/CROSS REFERENCE:** Paint Remover  
**SCHEDULE B NUMBER:** 3208.20.0000

## SECTION 2 – Hazard Identification

OVEREXPOSURE EFFECTS:

ACUTE EFFECTS:

**EYES:** Contact with eyes can cause severe irritation, causes eye burns. If not removed promptly, will injure eye tissue which may become permanent. Corrosive to eyes.

**SKIN:** Contact with skin can cause severe irritation, (minor itching, burning and/or redness), dermatitis, defatting may be readily absorbed through the skin. Causes skin burns. Corrosive to skin.

**INHALATION:** Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and/or asphyxiation. Excessive exposure may cause carboxyhemoglobinemia, therefore impairing the blood's ability to transport oxygen. Prolonged exposure to high concentrations can cause neurological depression and EEG abnormalities.

**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal. Poison, may be fatal or cause blindness if swallowed. May cause damage to mouth, throat, and digestive tract.

**PRIMARY ROUTES OF EXPOSURE:** Inhalation, skin, eyes, ingestion

## SECTION 3 – Composition, Information or Ingredients

<u>INGREDIENTS</u>	<u>WGT%</u>	<u>CAS #</u>
Methylene Chloride	85-95%	75-09-2
Aromatic Hydrocarbon	5-15%	64742-95-6
Methanol	1-5%	67-56-1
Ethanol	1-5%	64-17-5
Phosphate Ester	1-5%	Proprietary
2-aminoethanol	1-5%	141-43-5

## SECTION 4 – First Aid Measures

**INHALATION:** If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN:** For skin contact, wash promptly with soap and excess water.

**EYES:** For eye contact, flush promptly with excess water for at least fifteen minutes. Remove contacts if worn. Consult a physician.

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INGESTION: If ingested, do not induce vomiting. Do not give liquids. Call a physician immediately.

## **SECTION 5 – Fire-Fighting Measures**

FIRE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

SPECIAL FIRE FIGHTING PROCEDURES: Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARD: Closed containers exposed to high temperatures, such as fire conditions may rupture. Water run-off can cause environmental damage. Dike and collect water used to fight fire if possible.

## **SECTION 6 – Accidental Release Measures**

SPILLS, LEAK OR RELEASE: Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent. Be careful to avoid skin and eye contact of contaminated clean-up materials.

## **SECTION 7 – Handling and Storage**

STORAGE AND HANDLING: Use with adequate ventilation. Harmful or fatal if swallowed. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers. Protect from direct sunlight as container will pressurize from heat exposure. Keep container closed when not in use.

## **SECTION 8 – Exposure Controls and Personal Protection**

### **INGREDIENTS**

### **CAS #**

### **TLV/PEL**

Methylene Chloride	75-09-2	Consult OSHA Standards
Methanol	67-56-1	TLV/PEL 200 ppm, STEL 250 ppm
Ethanol	64-17-5	TLV/PEL 1000 ppm
Phosphate Ester	Proprietary	Suggested TLV 1 mg/m <sup>3</sup>
2-Aminoethanol	141-43-5	TLV/PEL 3 ppm, STEL 6 ppm

RESPIRATORY PROTECTION: If component exposure limits are exceeded, use NIOSH/MSHA approved air purifying or fresh air supplied respirator to remove vapors. Use an air-supplied respirator if necessary.

VENTILATION: Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.

PROTECTIVE GLOVES: To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.

EYE PROTECTION: Goggles with splash guards recommended or face shield.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing as required to prevent skin contact: apron, sleeves, suit, boots. Eyewash and Safety Shower should be in close proximity.

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## **SECTION 9 – Physical and Chemical Properties**

FLASH POINT: n/a

LOWER FLAMMABLE LIMIT %: N/E

UPPER FLAMMABLE LIMIT %: N/E

APPEARANCE: Clear viscous liquid

SPECIFIC GRAVITY: 1.2451

VAPOR PRESSURE (mmHG): N/E

BOILING POINT: N/E

VAPOR DENSITY: Heavier than air

EVAPORATION RATE (Ethyl Ether = 1): Slower than Ethyl Ether

VOLATILES BY WEIGHT: Approximately 95%

SOLUBILITY IN WATER: Partially soluble

VOC (less water & exempts): 122 grams/liter; 1.02 lbs/gal 10.0% by weight

NON-EXEMPT VOC PARTIAL PRESSURE: <5 mm Hg @ 20°C

## **SECTION 10 – Stability and Reactivity**

STABILITY: Stable

CONDITIONS TO AVOID: Open flames, sparks, heat, electrical and static discharge, impact, and friction.

INCOMPATIBILITY MATERIALS TO AVOID: Strong acids, alkalis, oxidizers. Corrosive to metals May react violently with water. May react violently with alkali and alkaline earth metals, such as sodium, potassium, and barium.

HAZARDOUS DECOMPOSITION PRODUCTS: Peroxides, Nitrogen Oxides, Hydrogen Chloride, Carbon Dioxide, Carbon Monoxide, and Carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

## **SECTION 11 – Toxicological Information**

### **CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals: Anemia, liver abnormalities, cardiovascular, blood disorders, immune system, thyroid, testicular, ovarian, and fetal abnormalities, kidney, eye, skin, respiratory system, and central nervous system damage. Contains suspected carcinogen.

CARCINOGEN: YES \_\_\_ NO

TERATOGEN: YES \_\_\_ NO

MUTAGEN: YES \_\_\_ NO

**Methylene Chloride** has been shown to cause cancer in lab animals. There is no evidence that Methylene Chloride causes cancer in humans. Overexposure to Methylene Chloride can raise the level of carbon monoxide in the blood.

## **SECTION 12 – Ecological Information**

N/E

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## SECTION 13 – Disposal Considerations

WASTE DISPOSAL: Dispose of in accordance with local, state, and federal regulations.

## SECTION 14 – Transport Information

### **For Ground Transport: In USA**

Consumer Commodity ORM-D in cases with inner containers 1 gallon or less.

### **For Air Transport:**

Must be re-boxed to UN specified packaging.  
UN1593, Dichloromethane Mixture, 6.1, PG III  
Packing Instruction 605, 612

### **For Ocean Transport:**

UN1593, Dichloromethane, 6.1, PG III  
EMS # F-A, S-A  
In limited quantity

## SECTION 15 – Regulatory Information

### **CALIFORNIA PROPOSITION 65:**

This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

### **SECTION 313 SUPPLIER NOTIFICATION:**

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CHEMICAL NAME</u>	<u>CAS</u>	<u>% BY WGT</u>
Methylene Chloride	75-09-2	85-90%
Methanol	67-56-1	1-5%
2-Aminoethanol	141-43-5	1-5%

This information must be included in all MSDS that are copied and distributed for this chemical.

DO NOT FLAME CUT, WELD OR MELT EMPTY CONTAINERS.

## SECTION 16 – Other Information

HMIS RATING:	Health	3	4 = Extreme
	Fire	1	3 = High
	Reactivity	0	2 = Moderate
			1 = Slight
			0 = Insignificant

Personal Protection - See Section VIII

## ABBREVIATIONS

# MSDS

IARC = International Agency for Research on Cancer  
ACGIH = American Conference of Governmental Industrial Hygienists  
NIOSH = National Institute of Occupational Safety and Health  
TLV = Threshold Limit Value  
PEL = Permissible Emission Level  
DOT = Department of Transportation  
NTP = National Toxicology Program  
N/AV = Not Available  
N/AP = Not Applicable  
N/E = Not Established  
N/D = Not Determined

PREPARED BY: U S CHEMICAL & PLASTICS  
An Alco Industries Company  
600 NOVA DRIVE SE  
MASSILLON, OH 44646

TELEPHONE NBR: 330-830-6000  
FAX NBR: 330-830-6005

DATE REVIEWED: September 9, 2008  
DATE REVISED: September 9, 2008  
REVISION: All

The information in the Material Safety Data Sheet has been compiled from our experience and from data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the MSDS is the latest one issued.