

MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT AVL-NO CHLOR
07/22/08

FILE NO.: 955
MSDS DATE:

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AVL-NO CHLOR
SYNONYMS:
PRODUCT CODES: 955

MANUFACTURER: Aviation Laboratories
DIVISION:
ADDRESS: 5401 MITCHELLDALE #B-6
HOUSTON, TX 77092

CHEMTREC PHONE: 1-800-255-3924
OTHER CALLS: 713-896-8188
FAX PHONE: 713/864-6677

CHEMICAL NAME: mixture
CHEMICAL FAMILY:
CHEMICAL FORMULA:

PRODUCT USE: Solvent Cleaner
PREPARED BY: Bruce Riffel

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

<u>Name</u>	<u>CAS NO.</u>	<u>PEL</u>	<u>TLV</u>	<u>% WT</u>	<u>SARA 313</u>
ACETONE	67-64-1	1000 PPM	750 PPM	N/A	
HEPTANE	142-82-5	400 PPM	400 PPM	N/A	
METHYL ALCOHOL	* 67-56-1	200	200	N/A	YES
PETROLEUM NAPHTHA VM & P	64742-89-8	500 PPM	300 PPM	N/A	

REPORTABLE

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable Liquid. Contains Methanol which can cause blindness if ingested.

ROUTES OF ENTRY: Skin, Eyes, Ingestion, Inhalation

POTENTIAL HEALTH EFFECTS

EYES: Irritation likely

SKIN: Mild irritation likely may cause localized defatting.

INGESTION: Gastric discomfort. Contains Methanol which can cause blindness and or death

INHALATION: DIZZINESS.Excessive exposure can cause blindness, unconsciousness and or death

ACUTE HEALTH HAZARDS: blindness due to methanol

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

CARCINOGENICITY

OSHA: No ACGIH: No NTP: No IARC: No

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SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Flush with water for 15 minutes. Contact physician if irritation persist

SKIN: Wash with soap and water for 15 minutes. If irritation develops seek medical attention.

INGESTION: Give person 2 glasses water if conscious and alert. Contact physician immediately; do not induce vomiting unless directed by medical authority.

INHALATION: Move to fresh air. If not breathing administer artificial respiration.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: 1.2
(% BY VOLUME) **LOWER:** 7.5

FLASH POINT:

F: 55

C: 12.8

METHOD USED: TCC

AUTOIGNITION TEMPERATURE: N/A

F: NA

C:

NFPA HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMABILITY:** 3 **REACTIVITY:** 1
OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMABILITY:** 3 **REACTIVITY:** 1
PROTECTION: B

EXTINGUISHING MEDIA: ABC Dry chemical fire extinguisher

SPECIAL FIRE FIGHTING PROCEDURES: Wear SCBA in fire situations

UNUSUAL FIRE AND EXPLOSION HAZARDS: Use near open flames. Vapors are denser than air and will collect in low areas. Vapors can migrate

HAZARDOUS DECOMPOSITION PRODUCTS: oxides of carbon

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Remove sources of ignition such as pilot lights. Material is heavier than air and can settle in low lying areas in flammable concentrations.

Use absorbent on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

SECTION 6 NOTES:

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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME. EXPOSURE TO TEMPERATURES ABOVE 120 F MAY CAUSE BURSTING.

OTHER PRECAUTIONS:
SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION : Use only in well ventilated areas. Material is flammable and heavier than air. Material may concentrate in low lying areas.

RESPIRATORY PROTECTION: If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

EYE PROTECTION: safety glasses

SKIN PROTECTION: Impervious gloves such as neoprene can be used

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES:

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Water White Liquid

ODOR: Acetone/solvent

PHYSICAL STATE: liquid

pH AS SUPPLIED: N/A

pH (Other):

BOILING POINT:

F: 156
C: 68.9

MELTING POINT:

F: not tested
C:

FREEZING POINT:

F: not tested
C:

VAPOR PRESSURE (mmHg):

NA @ F: 124
C:

VAPOR DENSITY (AIR = 1):

>1 @ F: 77
C: 25

SPECIFIC GRAVITY (H₂O = 1):

.71 @ F: 77
C: 25

EVAPORATION RATE: 6.0

BASIS (Butyl Acetate =1):

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: 5%
PERCENT SOLIDS BY WEIGHT: not tested

PERCENT VOLATILE: Not tested
100 BY WT/ BY VOL @
F: 77
C:25

VOLATILE ORGANIC COMPOUNDS (VOC):
675 g/l, 95%

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: xx

CONDITIONS TO AVOID (STABILITY): Use near open flames. Vapors are denser than air and will collect in low areas. Vapors can migrate

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers, Incompatible with many plastics.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: oxides of carbon

HAZARDOUS POLYMERIZATION: none

CONDITIONS TO AVOID (POLYMERIZATION): High temperatures which could cause bursting of containers.

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: NA

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NA

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, State and Federal regulations. DISPOSE OF RESIDUE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL GUIDELINES. DO NOT PUNCTURE OR INCINERATE CONTAINER. DO NOT REUSE CONTAINER. WRAP AND PLACE IN TRASH COLLECTION.

RCRA HAZARD CLASS: Solvent is flammable please refer to (40 CFR 261).

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Flammable Liquids, N.O.S. (Heptane)
HAZARD CLASS: 3
ID NUMBER: UN1993
PACKING GROUP: II
LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Call manufacturer
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

AIR TRANSPORTATION

Call manufacturer

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All Chemicals are listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): none

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): none

311/312 HAZARD CATEGORIES: flammable

313 REPORTABLE INGREDIENTS: Methanol 5%

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION: Bruce Riffel

DISCLAIMER: