

# Safety Data Sheet

## SECTION I - IDENTIFICATION

**PRODUCT NAME:** AVL No Chlor  
**PRODUCT CODE:** 809000018-20AR  
**PRODUCT USE:** Brake Cleaner  
**COMPANY NAME:** Aviation Laboratories  
**COMPANY ADDRESS:** 5401 Mitchelldale St Ste B6, Houston, TX 77092-7227  
**COMPANY PHONE:** 713-864-6677  
**EMERGENCY PHONE:** 800-255-3924

## SECTION II - HAZARDS IDENTIFICATION

**CLASSIFICATION:** Flammable Aerosol: Category 1  
Dissolved Gas

Skin Irritant: Category 2

Eye Irritant: Category 2A

**HAZARD STATEMENT(S):** DANGER: Extremely Flammable Aerosol Contains gas under pressure: May explode if heated. Causes skin and serious eye irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%

**PRECAUTIONARY STATEMENTS:** Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.



**SYMBOL:**

**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

## SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENT | CAS NUMBER | PERCENT |
|----------------------|------------|---------|
| Acetone              | 67-64-1    | 60-100% |
| Heptane              | 142-82-5   | 5-10%   |
| Carbon Dioxide       | 124-38-9   | 60-100% |

## SECTION IV - FIRST AID MEASURES

**EYES:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**INGESTION:** Do not induce vomiting. Seek medical attention.

**INHALATION:** Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

**SKIN:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

Inhalation: Irritation

Oral: abdominal irritation, nausea, vomiting, and diarrhea

**CHRONIC HEALTH HAZARDS:** None Known

**NOTE TO PHYSICIAN:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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### SECTION V – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry Chemical, Alcohol Foam, CO<sub>2</sub>

**UNSUITABLE EXTINGUISHING MEDIA:** Water spray/stream.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon

### SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Eliminate all sources of ignition.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

**RCRA STATUS:** Waste solvent likely considered F003, Flammable, Non-halogenated solvent, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

### SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

**OTHER PRECAUTIONS:** Keep out of the reach of children. Follow label directions exactly. Vapors may collect in low lying areas.

**INCOMPATIBILITY:** Concentrated nitric and sulfuric acid, oxidizers, chloroform, alkalis, chlorinated compounds, acids

### SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

| HAZARDOUS INGREDIENT | OSHA PEL | ACGIH TLV |
|----------------------|----------|-----------|
| Acetone              | 1000 ppm | 500 ppm   |
| Heptane              | 400 ppm  | 400 ppm   |
| Carbon Dioxide       | 5000 ppm | 5000 ppm  |

**ENGINEERING CONTROLS / VENTILATION:** Ambient ventilation suitable, forced ventilation should not be required

**RESPIRATORY PROTECTION:** Not required with normal use. Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses and chemical resistant gloves

**ADDITIONAL MEASURES:** Wash hands and all equipment thoroughly after use.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, Colorless Spray

**ODOR:** Aliphatic solvent odor

**ODOR THRESHOLD:** N/D

**BOILING POINT:** ND

**FREEZING POINT:** N/D

**FLAMMABILITY:** Extremely Flammable Aerosol

**FLASH POINT:** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**LOWER FLAMMABILITY LIMIT:** N/D

**UPPER FLAMMABILITY LIMIT:** N/D

**VAPOR PRESSURE (mm Hg):** 180 mmHg

**VAPOR DENSITY (AIR=1):** > 2

**EVAPORATION RATE:** > 1

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.775

**pH:** N/A

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SOLIDS (%): N/D  
SOLUBILITY IN WATER: 0%  
PARTITION COEFFICIENT: n-OCTANOL/WATER ( $K_{ow}$ ): N/D  
VOLATILITY INCLUDING WATER (%): 100%  
VOLATILE ORGANIC COMPOUNDS (VOC): 8%  
DIELECTRIC STRENGTH (Volts): N/D  
DECOMPOSITION TEMPERATURE: N/D  
VISCOSITY: N/D

### SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY: If exposed to strong oxidizers, presents explosion hazard.  
CHEMICAL STABILITY: Stable  
CONDITIONS TO AVOID: Temperatures greater than 122°F and sources of ignition.  
INCOMPATIBILITY: Concentrated nitric and sulfuric acid, oxidizers, chloroform, alkalis, chlorinated compounds, acids  
HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon  
POSSIBLE HAZARDOUS REACTIONS: None Known

### SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Acetone (67-64-1) LD<sub>50</sub> (Oral, Rat) 5800 mg/kg; LD<sub>50</sub> (Oral, Mouse) 3000 mg/kg; LD<sub>50</sub> (Oral, Rabbit) 5340 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 8hr) 50100 mg/m<sup>3</sup>; LC<sub>50</sub> (Inhalation, Mouse, 4hr) 44,000 mg/m<sup>3</sup> Aliphatic Petroleum Distillate (64742-89-8) LD<sub>50</sub> (Oral, Rat) 8000 mg/kg; LC<sub>50</sub> (Inhalation, Rat) 3400 ppm; LD<sub>50</sub> (Dermal, Rat) 4000 mg/kg

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes irritation, defatting.

INGESTION: Causes gastrointestinal irritation, nausea, diarrhea, absorption through gastrointestinal tract may produce symptoms of central nervous system depression ranging from light headedness to unconsciousness.

INHALATION: Dizziness, headache, nausea, depression of central nervous system, prolonged exposure may lead to unconsciousness

SKIN: Brief contact is not irritating. May cause irritation, localized defatting, redness, itching with prolonged or repeated contact. Can be absorbed through the skin with prolonged and widespread contact.

MEDICAL CONDITION AGGRAVATED: Excessive exposure will aggravate pre-existing skin disorders, respiratory, liver, kidney, cardiovascular or pulmonary illnesses.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

Inhalation: Irritation

Oral: abdominal irritation, nausea, vomiting, and diarrhea

CHRONIC HEALTH HAZARDS: None Known

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

### SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Acetone (67-64-1) LC<sub>50</sub> (Trout, 96hr) 5540 mg/L; LC<sub>50</sub> (Bluegill, 96hr) 8300 mg/L; LC<sub>50</sub> (Fathead Minnow, 96hr) 7500 mg/L

BIODEGRADABILITY: Component or components of this product are not biodegradable.

BIOACCUMULATION: Components in this mixture can bioaccumulate in aquatic organisms.

SOIL MOBILITY: This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS: This material is toxic to aquatic life.

### SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

RCRA STATUS: Waste solvent likely considered F003, Flammable, Non-halogenated solvent, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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**SECTION XIV - TRANSPORTATION INFORMATION**

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950  
**PACKAGING GROUP:** N/A

**AIR SHIPMENT**

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950

**SHIPPING BY WATER:**

**VESSEL (IMO/IMDG)**  
**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950  
**ENVIRONMENTAL HAZARDS WATER:** Marine Pollutant

**SECTION XV - REGULATORY INFORMATION**

**TSCA STATUS:** All Chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Acetone (67-64-1) Reportable Quantity = 5,000 lbs

**SARA 311/312 HAZARD CATEGORIES:** Acetone (67-64-1) Acute Health, Fire, Pressure.

**SARA 313 REPORTABLE INGREDIENTS:** Aliphatic Petroleum Distillate (64742-89-8)

**STATE REGULATIONS:** Acetone (67-64-1) Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, Illinois chemical safety act, New York release reporting list, RTK - RI, PA, FL, MN, MA, NJ; Massachusetts spill list, New Jersey spill list, Louisiana spill reporting, California List of Hazardous Substances (8 CCR 339); Acetone TSCA 8(b) inventory: Acetone TSCA 4(a) final test rules: Acetone TSCA 8(a) IUR: Acetone

**INTERNATIONAL REGULATIONS:** Acetone (67-64-1) Australia, China, Europe (EINECS), Japan, Korea, United Kingdom, Canada, WHMIS (Canada): CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC). p. 6; DSCL (EEC): R11- Highly flammable. R36- Irritating to eyes. S9- Keep container in a well-ventilated place. S16- Keep away from ignition sources. S26- In case of eye contact, rinse immediately with plenty of water and seek medical advice.

**NFPA HEALTH:** 1  
**NFPA FLAMMABILITY:** 3  
**NFPA REACTIVITY:** 0  
**NFPA OTHER:** None

**HMIS HEALTH:** 1  
**HMIS FLAMMABILITY:** 3  
**HMIS REACTIVITY:** 0  
**HMIS PROTECTION:** B

**SECTION XVI - ADDITIONAL INFORMATION**

**PREPARATION BY:** Jonathon Jarvis  
**DATE PREPARED:** 01/22/2014  
**REVISION DATE:** 08/18/2014

N/A = Not Applicable; N/D = Not Determined

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