



1	HEALTH
0	FLAMMABILITY
1	REACTIVITY
0	PROTECTIVE EQUIPMENT

LEAR CHEMICAL RESEARCH CORP
MISSISSAUGA, ON CANADA L4Y3W3

MATERIAL SAFETY DATA SHEET

Emergency Telephone Number: 800-256-2548 (day) 905-890-3466 (night) Fax Number: 905-564-7077

Poison Control Center: Poisons Alert System

Dangerous Goods Emergency Number: CANUTEC-613-996-6666

SECTION I - PRODUCT IDENTIFICATION & USE

Product Name: **ACF-50® Bulk Liquid**

Application: ACF-50® is an industrial product designed as a corrosion preventative and treatment for aircraft structures and systems, on non ferrous and ferrous metals, to protect electronics, and as a lubricant in mechanized equipment.

WHMIS: Class B-Flammable and Combustible.

SECTION II - COMPOSITION

Chemical Composition: Proprietary combination of refined petro chemicals. ACF-50 has been tested as a complete complex mixture and has been found to be Non-Toxic according to EPA/ OCED guidelines. Inhalation testing was not performed and a suggested exposure limit is listed below:

SECTION III - HAZARDOUS COMPONENTS

Chemical Names	CAS #	OSHA / PEL	%
ACF-50 (oil mist)	NA	5 mg/m ³ (TWA)	100

SECTION IV - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	>212/100 F/C	Specific Gravity (H ₂ O=1): .88
Vapor Pressure (mmHg.):	< 8mm Hg.	Melting Point (Deg. F): N/A
Vapor Density:	Heavier than air (Air)	Evaporation Rate: Slower (Relative to Butyl Acetate)
Solubility in Water:	Emulsifiable	
Appearance:	Purple Liquid	Odor: Sweet

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	>175/80 F/C. Method: PMCC
Flammable Limits:	Solvent component only: LEL 1.0 UEL: 6.0
Extinguishing Media:	CO ₂ , Dry Chemical, Foam, Water spray
Fire Fighting Procedures:	Use full protective equipment and self-contained breathing apparatus. Cover with extinguishing agent. Use water spray to cool fire exposed containers and as a protective screen. Do not point solid water stream directly into burning liquid to avoid spreading fire.
Fire Explosion Hazards:	Treat as combustible liquid. Do not flame cut, drill or weld empty containers.
Fire Hazard Identification:	NFPA STD.704 Health -0 Flammability-2-Reactivity-0 NFPA STD. 321: Combustible Liquid, Class III 3A

SECTION VI - REACTIVITY DATA

Stability:	Stable
Incompatibility:	Oxidizing materials (Liquid or compressed oxygen, peroxides, chlorine)
Hazardous Decomposition:	Thermal conditions produces normal products of combustion including: Carbon Oxides (CO- CO ₂) Nitrogen oxides (NO ₂ -NO) Sulfur oxides (SO ₂ -SO ₃).
Hazardous Polymerization:	Will not occur.

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SECTION VII - TOXICOLOGICAL PROPERTIES

ACF-50 Bulk Liquid has been tested (oral, eye, dermal) as a complete mixture and is considered "Non-Toxic" according to EPA /OCED and FHSA, and WHMIS guidelines.

Primary Routes of entry:

Acute Oral: LD50 > 5000 mg/kg

Acute Eye: LC50 > 5000 mg/kg

Acute Dermal: LD50 > 5000 mg/kg

Acute Vapor LC50 > 5000 ppm -Rat-Aliphatic hydrocarbon

(est.) LC50 > 5000 ppm -Rat-Petroleum distillate

Carcinogenicity: Non-carcinogenic, according to NTP, IARC, OSHA or ACGIH.

Sensitization: Non-sensitizer

Mutagenic effects: No

Tetragenic: No

Reproductive: No

Developmental: No

EFFECTS OF OVEREXPOSURE:

Inhalation: May cause headache, nausea, or dizziness.

Skin and Eyes: May cause drying, chapping of skin; May cause redness of eyes

Ingestion: May be harmful or fatal if swallowed.

SECTION VIII - EMERGENCY AND FIRST AID PROCEDURES

Skin: Remove excess by wiping, followed by washing with soap and water.

Eyes: Copious warm water flush - 15 minutes, Physician assessment if eyes inflamed.

Inhalation: Evacuate to fresh air. Apply CPR if required. If resuscitation is required, Physician assessment mandatory.

Ingestion: **DO NOT INDUCE VOMITING.** If vomiting - take care to prevent aspiration. Give 1/2 pint milk to drink.

Mandatory physician assessment : Note to Physician: If amount ingested is > 5000mg/Kg Consult standard literature for Hydrocarbon poison.

SECTION IX - PREVENTIVE MEASURES

Steps to be taken if Spilled: Eliminate sources of ignition - Stop or reduce flow with barricades - Absorb small spills using dry clay, commercial sorbents. Collect residue into suitable container for disposal. Material may be drained into floor drains equipped with Oil Interceptors.

Waste Disposal Method: Dispose in approved landfill site or incinerate at licensed waste reclaimer facility. Liquid waste may be removed by licensed reclaimer, under Used Oil Classification. Follow all Local, Provincial, State and Federal Requirements. Materials not listed as a hazardous waste under RCRA.

Ventilation: Provide sufficient General or Mechanical ventilation to maintain exposure below flammable limits.

Respiratory Protection: None normally needed - Unless atomizing in enclosed space, then use approved NIOSH organic, mist, vapor, respirator.

Protective Gloves: None normally needed.

Eye Protection: None normally required, unless operator is using high-pressure spray equipment or splashing is likely.

Other Protective Clothing: None normally needed.

Work/Hygienic Practices: Wash hands and face with soap and water after use. Launder soiled clothing.

SECTION X - REGULATORY INFORMATION

U.S. Federal Regulations: None regulated commodity

TSCA Inventory: All components Listed

SARA Extreme Hazard: NO

CERCLA: NO

SARA Toxic Chemical: NO

TITLE III Hazard Classification Section 311, 312:

Fire: No **Chronic:** No **Pressure:** No

Reactivity: No **Acute:** No

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SECTION XI - TRANSPORTATION INFORMATION

TDG Road / Rail Classification: CONSUMER COMMODITY
DOT/IMO Label: NON-REGULATED
HAZARD CLASS: 0
AIR-IATA Class: NONE HAZARDOUS ----NONE REGULATED

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Prepared by: Lear Chemical Research Corp.