

SAFETY DATA SHEET: ACF-50 LUBRICANT AEROSOL

SECTION 1: CHEMICAL PRODUCT & COMPANY INFORMATION

APPLICABLE PART #:	PC24002	IDENTITY: ACF-50 Lubricant Aerosol 13oz
SUPPLIER:	Universal Photonics, Inc. 85 Jetson Lane Central Islip, NY 11722	FOR INFORMATION CALL CUSTOMER SERVICE: (516) 935-4000 DATE PREPARED: February 3, 2017
USE OF SUBSTANCE/PREPARATION:	ACF-50 is an industrial product designed to prevent and treat corrosion on non-ferrous and ferrous metals, protect electronic equipment, and to lubricate/penetrate mechanized parts.	
EMERGENCY TELEPHONE NUMBER:	1.866.519.4752 3-E COMPANY - ACCT # 3665	

SECTION 2: HAZARDS IDENTIFICATION

HEALTH:	Acute Toxicity
ORAL-EYE-DERMAL:	Category 5
INHALATION:	Category 4
ENVIRONMENTAL:	Not Classified
OSHA DEFINED:	Not Classified

LABELS:



SIGNAL WORD:	WARNING
H227:	Combustible Liquid
P210:	Keep Spray Away From Open Flame
H305:	May be harmful if swallowed and enters airways
P331+P314:	Do Not Induce Vomiting, Get Medical Attention if Feeling Unwell
H320:	May Cause eye irritation
P305+P331+P358:	If Sprayed Into Eyes Rinse with Water, Remove Contacts if Present, Continue to Rinse with Water

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PRECAUTIONARY STATEMENTS – PREVENTION:

Wash thoroughly after handling. Avoid spraying in eyes or breathing mist/spray. Do not ingest.

PRECAUTIONARY STATEMENTS – RESPONSE

INHALATION:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Rinse eyes with water.

PRECAUTIONARY STATEMENTS – STORAGE:

Do not store long term in direct sunlight

PRECAUTIONARY STATEMENTS – DISPOSAL:

Do not incinerate

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):

Not Applicable

SECTION 3: COMPOSITION INFORMATION

HAZARDOUS SUBSTANCES PRESENT ON THEIR OWN:

None

SUBSTANCES PRESENT AT A CONCENTRATION BELOW THE MINIMUM DANGER THRESHOLD:

CHEMICAL NAME	CAS No	EC	WEIGHT - %
Solvent naphtha	64742-88-7	265-191-7	5%-15%
Hydrotreated neutral oil	72623-85-9	276-736-3	70%-100%
Carbon Dioxide (propellant)	124-38-9	204-696-9	1%
Tetrafluoroethane 1,1,1,2 (propellant)	811-97-2	212-377-0	5%-10%

SECTION 4: FIRST AID MEASURES

EYE CONTACT:

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

SKIN CONTACT:

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

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should give oxygen). If breathing stops apply CPR and call physician.

INGESTION:

Rinse mouth immediately with water. Give 1/2 pint/200ml of milk to drink. Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. If vomiting takes place naturally, lean victim forward to prevent aspiration into lungs. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal. Physician's assessment is mandatory. Note to Physician: Consult standard literature for Hydrocarbon poison.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

CO₂, Dry Chemical, Foam, Water Spray

UN-SUITABLE EXTINGUISHING MEDIA:

Water Jet which might spread flames



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SPECIAL HAZARDS FROM BURNING:

May produce normal products of combustion including: Carbon Oxides (CO- CO₂); Nitrogen oxides (NO₂-NO); Sulfur oxides (SO₂-SO₃).

FIRE FIGHTING PROCEDURES:

Cool containers with water spray to prevent pressure build-up, auto-ignition or explosion. Self-Contained Breathing Apparatus (SCBA) may be required if containers rupture under thermal conditions.

GENERAL FIRE HAZARDS:

Aerosol cans are an explosion risk when exposed to fire

EXPLOSION DATA:

Sensitivity to Mechanical Impact when exposed to fire

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Eliminate sources of ignition. Stop leak if you can do it without risk. Keep unnecessary personnel away from spill slip hazard.

SMALL SPILL:

Wipe up spills with absorbent cloth and clean surface with approved soap.

LARGE SPILL:

Stop or reduce flow with barricades – Absorb spills using dry clay, commercial sorbents. Collect residue into suitable container for disposal. Material may be drained into floor drains equipped with Oil Interceptors. Never return contaminated spilled liquid to original container. See Section 13 for Disposal Considerations.

ENVIRONMENTAL PRECAUTIONS:

Prevent spill from entry into waterways, sewers, basements or confined areas.

SECTION 7: HANDLING & STORAGE

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

STORAGE:

Avoid ignition sources. Do not store 70°C or 158°F. Keep containers tightly closed, in cool and well ventilated place. Do not store long term in direct sunlight. Keep out of the reach of children.

INCOMPATIBLE PRODUCTS:

None known

SECTION 8: PERSONAL PROTECTION AND EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS

VENTILATION:

None normally needed.

INDIVIDUAL PROTECTION

RESPIRATORY PROTECTION:

None normally needed. *Unless atomizing in enclosed space, then use approved NIOSH organic, mist/vapor respirator. If exposure limits are exceeded or irritation, headache, nausea, or dizziness is experienced, ventilation and evacuation may be required.

PROTECTIVE GLOVES:

None normally required. Excessive contact may cause drying, chapping of skin, may cause redness of eyes and tearing.

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EYE PROTECTION:	None normally required, unless operator is using high-pressure spray equipment or splashing is likely.
OTHER PROTECTIVE CLOTHING:	None normally required.
WORK/HYGIENIC PRACTICES:	Wash hands and face with soap and water after use. Launder soiled clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE:	Purple
ODOR:	Fresh Scent
ODOR THRESHOLD:	Not established
PH:	7
MELTING / FREEZING POINT:	No data available
BOILING POINT / BOILING RANGE:	>100C° / 212 F°
FLASH POINT:	79.4C° / 175F° PMCC
EVAPORATION RATE:	Slower (Butyl acetate=1)
FLAMMABILITY (SOLID, GAS):	No data available
FLAMMABILITY LIMIT IN AIR:	Solvent Component Only
UPPER FLAMMABILITY LIMIT:	UEL: 6.0
LOWER FLAMMABILITY LIMIT:	LEL: 1.0
VAPOR PRESSURE:	No data available
VAPOR DENSITY:	Heavier than air (Air=1)
SPECIFIC GRAVITY:	0.90
WATER SOLUBILITY:	Slight with agitation
SOLUBILITY IN OTHER SOLVENTS:	Soluble in Naphtha
PARTITION COEFFICIENT N-OCTANOL/WATER :	No data available
AUTO IGNITION TEMPERATURE:	>210C°/410 F°
DECOMPOSITION TEMPERATURE:	No data available
KINEMATIC VISCOSITY:	25 cSt @ 40 C°

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DYNAMIC VISCOSITY: **No data available**

VOC CONTENT (%): **90gm/l**

SECTION 10: STABILITY & REACTIVITY

STABILITY: **Stable**

MATERIALS TO AVOID: **Avoid Oxidizing materials (Liquid or compressed oxygen, peroxides, chlorine), strong alkalis.**

DECOMPOSITION PRODUCTS: **Thermal conditions produce normal products of combustion including: Carbon Oxides (CO- CO₂), Nitrogen oxides (NO₂-NO), Sulfur oxides (SO₂-SO₃)**

REACTIVITY

POLYMERIZATION: **Will not occur**

SECTION 11: TOXICOLOGICAL INFORMATION

ACF-50 has been tested (oral, eye, dermal) as a complete mixture and is considered “non-toxic” under normal use with an extremely low order of toxicity at or below a Category 5 rating.

PRIMARY ROUTES OF ENTRY:

ACUTE ORAL: **LD50 > 5000 mg/kg**

ACUTE EYE: **LC50 > 5000 mg/kg**

ACUTE DERMAL: **LD50 > 5000 mg/kg**

ACUTE VAPOR:
(ESTIMATED) **LC50 > 5000 ppm -Rat-Aliphatic hydrocarbon
LC50 > 5000 ppm -Rat-Petroleum distillate**

CARCINOGENICITY: **Non carcinogenic according to EPA, NTP, IARC, OSHA, TLV, MAK, NIOSH or ACGIH definitions.**

SENSITIZATION: **Non-sensitizer**

MUTAGENIC EFFECTS: **No**

TETRA GENIC: **No**

REPRODUCTIVE: **No**

DEVELOPMENTAL: **No**

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

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INHALATION:	May cause headache, nausea, or dizziness. Over exposure to vapor may cause CNS depression or confusion. Tetrafluoroethane is rapidly metabolized in tissue, after inhalation and eliminated with expelled air. May act as a simple asphyxiant if air is displaced by excess vapor.
SKIN / EYES:	May cause drying, chapping of skin and may cause redness of eyes. Chilling sensation with liquid evaporation.
INGESTION:	Not likely to occur.
SENSITIZATION:	No information available.
MUTAGENIC EFFECTS:	No information available.
CARCINOGENICITY	Contains no ingredient listed as a carcinogen.
REPRODUCTIVE TOXICITY:	No information available.
STOT - SINGLE EXPOSURE:	No information available.
STOT - REPEATED EXPOSURE:	No information available.
CHRONIC TOXICITY:	No known effect based on information supplied
TARGET ORGAN EFFECTS:	Respiratory system. Central Vascular System (CVS).
ASPIRATION HAZARD:	May be harmful or fatal if aspirated into lungs. Treat at hydrocarbon poisoning.

NUMERICAL MEASURES OF TOXICITY PRODUCT INFORMATION

The following values are calculated based on chapter 3.1 of the GHS document

ATEMIX (INHALATION-GAS):	7,189,062.00
ATEMIX (INHALATION-DUST/MIST):	2.48 mg/l

SECTION 12: ECOLOGICAL INFORMATION

ECO TOXICITY:	Environmental impact of this product has not been fully investigated.
PERSISTENCE AND DEGRADABILITY:	No information available.
BIOACCUMULATION:	No information available
OTHER ADVERSE EFFECTS:	No information available.

SECTION 13: DISPOSAL INFORMATION

DISPOSAL METHODS:	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). Spilled liquid should be treated as contaminated
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oil and disposed of according to the appropriate state, regional, or local regulations.

USED PACKAGING:

Empty HDPE/LDPE containers can be recycled

CALIFORNIA HAZARDOUS WASTE CODES:

N/A

SECTION 14: TRANSPORTATION INFORMATION

DOT

PROPER SHIPPING NAME:	CONSUMER COMMODITY
HAZARD CLASS:	ORM-D
DESCRIPTION:	CONSUMER COMMODITY, ORM-D
EMERGENCY RESPONSE GUIDE:	126

TDG

UN-No.:	UN1950
PROPER SHIPPING NAME:	AEROSOLS
HAZARD CLASS:	2.2
DESCRIPTION:	UN1950, AEROSOLS, 2.2

IATA

UN-No.:	UN1950
PROPER SHIPPING NAME:	AEROSOLS, NON-FLAMMABLE
HAZARD CLASS:	2.2
DESCRIPTION:	UN1950, AEROSOLS, NON-FLAMMABLE, 2.2



IMDG/IMO

UN-No.:	UN1950
PROPER SHIPPING NAME:	AEROSOLS

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HAZARD CLASS: **2.2**

-No.: **F-D, S-U**

DESCRIPTION: **UN1950, AEROSOLS, 2.2**



RID / ADR

UN-No.: **UN1950**

PROPER SHIPPING NAME: **AEROSOLS**

HAZARD CLASS: **2.2**

CLASSIFICATION CODE: **5A**

DESCRIPTION: **UN1950 AEROSOLS, 2.2**

ADN

UN-No.: **UN1950**

PROPER SHIPPING NAME: **AEROSOLS**

HAZARD CLASS: **2.2**

CLASSIFICATION CODE: **5A**

SPECIAL PROVISIONS: **190, 327, 344, 625**

DESCRIPTION: **UN1950 AEROSOLS, 2.2**

HAZARD LABELS: **2.2**

LIMITED QUANTITY: **1 L**

VENTILATION: **VE04**

SECTION 15: REGULATORY INFORMATION

This preparation was classified in compliance with GHS Directives and is not known to be classified on any EC lists or other source literature.

WHMIS: **Not Controlled**

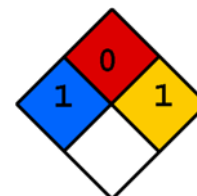
U.S. FEDERAL REGULATIONS: **Not Regulated**

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TSCA INVENTORY (USA):	Reported/Included
DSL (CANADA):	Reported /Included
SARA 302/355 EXTREME HAZARD:	No
CERCLA:	No
SARA 313 TOXIC CHEMICAL:	No
SARA 311/312 HAZARDOUS:	No
PROP 65:	No to All
ELINCS (EUROPE):	No
ENCS (JAPAN):	Yes
AICS (AUSTRALIA):	Yes

SECTION 16: OTHER INFORMATION

HMIS RATING:	Health 1	Flammability 0	Reactivity 1	Personal Protection B
NFPA RATING:	Health 1	Flammability 0	Reactivity 1	
NFPA STD.321:	Combustible Liquid, Class III 3A			



ABBREVIATIONS

N/A – Not available

DOT – Department of Transportation

GHS – The Globally Harmonized System of Classification and Labeling of Chemicals

HMIS – Hazardous Materials Identification System

NIOSH – National Institute for Occupational Safety and Health

NORM – Natural Occurring Radioactive Materials

IATA – International Air Transportation Association

IMO – International Maritime Organization

OSHA – Occupational Safety & Health Administration

TSCA – Toxic Substance Control Act

DISCLAIMER

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