

SECTION I - IDENTIFICATION

Product Name: ACF-50® Bulk Liquid
Product Code: 10001, 10004, 10020, 10032, 10114, 10205

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.

Uses advised against: None unless specified elsewhere

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SECTION 2 – HAZARDS IDENTIFICATION

General hazard statement

Read Label and Use as Directed
May cause slight eye redness (Mixture Tested < Cat2B)
May cause skin dryness (Mixture Tested < Cat3)
May cause laxative effect if swallowed. Do not induce vomiting.
Using as directed Not Expected to be Aspiration Hazard (>24mm2/s @40C)

Classification of the Mixture:

GHS classification: Category 4, Flammable liquid

Signal Word: WARNING

Labels: None required

Hazard statement(s)
H227 Combustible liquid

Precautionary statement(s)
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P331 Do NOT induce vomiting.
P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P501 Dispose of contents/container in accordance with local, regional, national, and/or international regulations

Other hazards which do not result in classification

No data available.

Statement regarding ingredients of unknown toxicity

No data available.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substances present: MIXTURE

Substances present at a concentration below the minimum danger threshold:

NAME:	CAS	EC	Concentration % (weight)	Special Notes
Hydrotreated neutral oil	72623-85-9	276-736-3	70-85%	<0.1% DMSO w/w extract
Stoddard solvent	8052-41-3	232-489-3	5-<9%	

SECTION 4 - FIRST AID MEASURES

Description of necessary first-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Get medical attention if symptoms occur.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effects: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

If swallowed

Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Personal protective equipment for first-aid responders

No data available.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Indication of immediate medical attention and special treatment needed, if necessary

No data available

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

No data available.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling

Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities

Store in a well ventilated place. Keep container tightly closed. Store between the following temperatures: 40 and 120 Fahrenheit and out of direct sunlight and away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of reach of children.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION:

Control parameters

CAS: 8052-41-3

Stoddard Solvent

CAS: 72623-85-9 (EC: 276-736-3)

Lubricating oils (petroleum), C20 -50, hydrotreated neutral oil-based, high-viscosity, if they contain > 3 % w/w DMSO extract

Appropriate engineering controls

Not normally required. Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Use appropriate eye protection.

Skin protection

Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Protective gloves.

Body protection

Skin Protection: None required with normal household use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

Respiratory protection

Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): In case of insufficient ventilation wear suitable respiratory equipment.

Thermal hazards	No data available.
Control banding approach	No data available.
Environmental exposure controls	Do not let product enter drains.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance/form (physical state, color, etc.)	Liquid
Odor	Characteristic
Odor threshold	No data available.
pH	7
Melting point/freezing point	No data available.
Initial boiling point and boiling range	212°F / 100°C
Flash point	175°F / 79.4°C
Evaporation rate	Slower (butyl acetate=1)
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	UEL: 6.0 LEL: 1.0
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	Heavier than air (air=1)
Relative density	No data available.
Solubility(ies)	soluble in naphtha
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	410°F / 210°C
Decomposition temperature	No data available.
Viscosity	25 cSt @ 40C
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	None under normal use conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal use conditions.
Conditions to avoid	None under normal use conditions.
Incompatible materials	Do not store near acids, Strong oxidizing agents, Carbon dioxide (CO ₂)
Hazardous decomposition products	Other decomposition products - No data available In the event of fire: see section 5

SECTION 11 - TOXICOLOGICAL INFORMATION

ACF-50 liquid has been tested as a mixture for oral, eye and dermal toxicity.

When used as directed, toxicity is at or below 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

Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/irritation	May cause skin irritation.
Serious eye damage/irritation	Causes eye irritation.
Respiratory or skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	Based on available data, classification data are not met
Carcinogenicity	

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity	No data available
Summary of evaluation of the CMR properties	No data available.
STOT-single exposure	No data available
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard	May be harmful if swallowed and enters airways / Not Expected to be Aspiration Hazard (>24mm ² /s @40C) (Mixture Tested)

Additional information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12- ECOLOGICAL INFORMATION

Toxicity

No data available on product

Persistence and degradability

No data available on product

Bioaccumulative potential

No data available on product

Mobility in soil

No data available on product.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal of the product

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Non Household Setting: Products covered by this SDS, in their original form, when disposed as waste, are considered non-hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Solutions of diluted detergent in the course of use, may be allowed to be flushed down sewer. First check with your local water treatment plant. Recycling is undiluted scrap product. Do not landfill. Household Use: Household product is safe for disposal down the drain during detergent use or in the trash. Dispose of empty bottle in the trash or recycle where facilities exist.

Disposal of contaminated packaging Dispose of as unused product.

Waste treatment

This mixture, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261).
Recycle only completely emptied packaging. Empty HDPE/LDPE containers can be recycled.

Sewage disposal No data available.

Other disposal recommendations Disposal should be in accordance with local, state or national legislation.

SECTION 14 - TRANSPORT INFORMATION

DOT (US) Not regulated / Not dangerous goods

IMDG Not regulated / Not dangerous goods

IATA Not regulated / Not dangerous goods

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
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

NFPA STD.704	Health -1	Flammability-2	Reactivity-0
NFPA STD.321:	Combustible Liquid, Class III 3A		

HMIS	Health -1	Flammability-2	Reactivity-0
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SECTION 16 – OTHER INFORMATION

V0006 – January 1, 2020 – Revisions:
All Sections revised to meet GHS compliance

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