

SECTION 1: Identification of the substance / mixture and of the company/undertaking

1.1 Product Identifier

Product form : Mixture
 Product name : **ACF-50®**
 Product code : **10004, 10020, 10032, 10114, 10205**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance / mixture : Prevent and treat corrosion
 Uses advised against : No additional information available

1.3 Details of the supplier of the safety data sheet

Lear Chemical Research Corporation : T - 00 1 905-564-0018
 PO Box 1040, Station B : F - 00 1 905-564-7077
 Mississauga, Ontario Canada L4Y 3W3 : info@learchem.com www.learchem.com/msds

1.4 Emergency telephone number

Emergency Day : 00 1 800-256-2548
 Emergency Night : 00 1 905-890-3466

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Regulation (EC) no. 1272/2008 (CLP) : Aspiration hazard – Category 2
 : Eye Irrit. 2; Causes serious eye irritation
 : Skin corrosion/irritant Category 2; Causes skin irritation

Adverse physicochemical, human health and environmental effects

No Additional information available

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Signal word : Warning
 Hazard statements : H305 – Maybe harmful if swallowed and enters airways
 : H315 – Causes skin irritation
 : H319 – Causes serious eye irritation
 Precautionary statements : P102 – Keep away from children
 : P280 – Wear protective gloves/protective clothing/eye protection/face protection
 : P302+P352 – IF ON SKIN: Wash with plenty of water
 : P362+P364 – Take off contaminated clothing and wash it before reuse
 : P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
 : P337+P313 – If eye irritation persists: Get medical advice/attention
 : P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing
 : P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 : P331: Do NOT induce vomiting.
 : P378 – Use appropriate media to extinguish
 : P405 – Store locked up

- 2.3 **Other hazards**
- : P501 – Dispose of contents/container in accordance with local, regional, national, and/or international regulations
 - : None known

SECTION 3: Composition /information on ingredients

3.1 Substance

Not applicable

3.2 Mixture

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrotreated neutral oil	(CAS No) 72623-85-9 (EC No) 276-736-3	70 – 100	GHS08, Carc. 1B; H350
Solvent naphtha	(CAS No) 64742-88-7 (EC No) 265-191-7	<10	GHS08, Asp. Tox 1; H304 STOT RE 1; H372

Full text H-statements: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

- Inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.
- Skin contact : Remove excess by wiping, followed by washing with soap and water.
- Eye contact : 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/attention.
- Ingestion : IF SWALLOWED: Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : CO₂, dry chemical, foam, water spray
- Unsuitable extinguishing media : Water jet which may spread flames

5.2 Special hazards arising from the substance or mixture

- Fire hazard : May produce normal products of combustion including: Carbon Oxides (CO- CO₂) Nitrogen oxides (NO²-NO) Sulfur oxides (SO²-SO₃).
- Explosion hazard : Product is not explosive.
- Reactivity : None to our knowledge.

5.3 Advice for firefighters

- Firefighting instructions : 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.
- Explosion hazard : No unusual explosion hazards.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions : Prevent spill into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Collect spillage and dispose of according to Section 13. Absorb spillages onto any suitable absorbent material. Scoop absorbed substance into closing containers. Wash clothing and equipment after handling.

6.4 Reference to other sections : See Section(s): 8, 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Additional hazards when processed : Avoid contact with skin and eyes.

Precautions for safe handling : None normally required

Hygiene measures : Observe normal hygiene standards. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature : Do not store exceeding 70°C or 158°F

Storage life : Stable under normal conditions

Heat and ignition sources : Avoid heat / ignition sources

Special rules on packaging : Meets the legal requirements. Correctly labelled.

Packaging materials : HDPE/LDPE containers

7.3 Specific end use(s) : Prevent/treat corrosion, lubricate, penetrate

SECTION 8: Exposure controls/personal protection

8.1 Control parameters : No information available

8.2 Exposure controls

Appropriate engineering controls : Does not require and specific or particular technical measures.

Personal protective equipment : None normally needed/required.

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

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

Ventilation : Provide sufficient general or mechanical ventilation to maintain exposure below flammable limits.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Purple liquid

Odor : Fresh scent

Odor threshold : Not established

pH : 7

Melting point/ Freezing point : No data available

Boiling point / boiling range : > 100°C / 212°F

Flash point : 79.4°C / 175°F 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	: 0.89
Water solubility	: slight with agitation
Solubility in other solvents	: soluble in naphtha
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: > 210°C / 410°F
Decomposition temperature	: No data available
Kinematic viscosity	: 25 cSt @40°C
Dynamic viscosity	: No data available
VOC content (%)	: 90gm/l
9.2 Other information	: No information available

SECTION 10: Stability and reactivity

10.1 Reactivity	: Stable under normal conditions.
10.2 Chemical stability	: Stable under normal conditions.
10.3 Possibility of hazardous reactions	: No hazardous reactions known if used for intended purpose.
10.4 Conditions to avoid	: Heat and direct sunlight.
10.5 Incompatible materials	: Oxidizing substances.
10.6 Hazardous decomposition products	: Thermal conditions produce normal products of combustion e.g.: carbon oxides, nitrogen oxides, sulfur oxides.

SECTION 11: Toxicological information

ACF-50 has been tested (oral, eye, dermal) as a mixture and is considered NON-TOXIC

11.1 Information on toxicological effects

Acute toxicity	: Not Classified
Skin corrosion/irritation	: Non irritant
Serious eye damage/irritation	: Non irritant
Respiratory or skin sensitization	: Not a skin sensitizer
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT – single exposure	: Not classified
STOT – repeated exposure	: Not classified
Aspiration hazard	: None anticipated
11.2 Other information	: None

SECTION 12: Ecological information

12.1 Toxicity	: No data available
12.2 Persistence and degradability	: No data available
12.3 Bio accumulative potential	: The product has no potential for bio accumulation.
12.4 Mobility in soil	: No data available
12.5 Results of PBT and vPvB assessment	: This mixture does not meet the PBT / vPvB criteria of REACH regulation, Annex XIII
12.6 Other adverse effects	: None known

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods** : Recycle only completely emptied packaging.
13.2 Additional information : Disposal should be in accordance with local, state or national legislation.

SECTION 14: Transport information

- 14.1 UN Number** : None
14.2 UN proper shipping name : None
14.3 Transport hazard class(es) : Not Classified
14.4 Packing group : None
14.5 Environmental hazards : None
14.6 Special precautions for user : Not classified as hazardous for transport
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code : Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture

15.1.1 EU-Regulations

Contains no REACH substances with Annex XV11 restrictions

Contains no substance on the REACH Candidate List

Contains no REACH Annex XIV substances

15.2 Chemical safety assessment

WHMIS	: Not controlled
US 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 (EU)	: No
ENCs (Japan)	: Yes
AICS (Australia)	: Yes

SECTION 16: Other information

Data Sources : Regulation (EU) 2016/918 amending Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006. Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH), according to (EU) 2016/918

Legend

PBT	: Persistent, Bio accumulative and Toxic
vPvB	: very Persistent and very Bio accumulative
VOC	: Volatile Organic Compounds
ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	: International Maritime Code for Dangerous Goods
IATA	: International Air Transport Association
Eye Irrit. 2	: Serious eye damage/irritation Category 2

H-codes contained in Section 3 of this document (for information only)

H304	: may be fatal if swallowed
H372	: causes damage to organs through prolonged or repeated exposure
H350	: may cause cancer

Lear Chemical believes all the information provided is true and accurate. Lear Chemical and its affiliates assume no responsibility for injury to anyone caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Lear Chemical Research Corp. and affiliates assume no responsibility to injury to anyone caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendor and third persons assume the risk in their use of the material.