

## 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 : **10013**

Supplied by:  
**Sil-Mid Limited**  
Roman Park, Roman Way  
Coleshill, West Midlands  
B46 1HG, UK  
T: 01675 432850  
E: [info@silmid.com](mailto:info@silmid.com)

**Emergency Telephone No.** +44 (0)1675 432850  
(Monday to Friday, 08:00 – 17:30 – GMT)

### 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](mailto:info@learchem.com) [www.learchem.com/msds](http://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)** : Aerosol 3; Pressurized container: may burst if heated  
: 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]

#### Signal word

: **Warning**

#### Hazard pictograms



GHS07

#### Hazard statements

: H229 – Pressurized container: May burst if heated  
: 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  
: P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
: P251 – Do not pierce or burn, even after use.

: P410 + P412 – Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.  
: None known

## 2.3 Other hazards

## 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	5 – 15	GHS08, Asp. Tox 1; H304 STOT RE 1; H372
Tetrafluoropropene 1,3,3,3	(CAS No) 29118-24-9 (EC No) 471-480-0	1 – 3	Not classified
Carbon Dioxide (propellant)	(CAS No) 124-38-9 (EC No) 204-696-9	1 – 3	Not classified

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 : Unlikely route of exposure.

### 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 : CO<sup>2</sup>, 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 : NOT classified as a flammable aerosol

Explosion hazard : Product is not explosive. Pressurized container: May burst if heated

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 : Aerosol containers are an explosion risk when exposed to fire.

## SECTION 6: Accidental release measures

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

### 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. Pressurized container: Do not pierce or burn, even after use.

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 50°C or 120°F

Storage life : Stable under normal conditions

Heat and ignition sources : Avoid heat / ignition sources

Storage area : Meet the legal requirements. Protect from heat and direct sunlight. Keep container in a cool, dry, well ventilated place.

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

Packaging materials : Pressurized small gas containers (aerosol cans).

**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 : Aerosol

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 (butylacetate=1)
Flammability (solid, gas)	: No data available
<b>Flammability limit in air</b>	<b>Solvent component only</b>
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
<b>9.2 Other information</b>	: No information available

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: Stable under normal conditions.
<b>10.2 Chemical stability</b>	: Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	: No hazardous reactions known if used for intended purpose.
<b>10.4 Conditions to avoid</b>	: Heat and direct sunlight.
<b>10.5 Incompatible materials</b>	: Oxidizing substances.
<b>10.6 Hazardous decomposition products</b>	: 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	: Mixture not carcinogenic according to EPA, NTP, IARC, OSHA, TLV, MAK, NIOSH or ACGIH definitions.
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

<b>12.1 Toxicity</b>	: No data available
<b>12.2 Persistence and degradability</b>	: No data available
<b>12.3 Bio accumulative potential</b>	: The product has no potential for bio accumulation.
<b>12.4 Mobility in soil</b>	: 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. Containers must not be punctured or destroyed by burning, even when empty. Non-empty aerosol: Dispose of waste in an approved waste disposal facility. Do NOT landfill.  
**13.2 Additional information** : Disposal should be in accordance with local, state or national legislation.

## SECTION 14: Transport information

### 14.1 UN Number

UN-No. : 1950

### 14.2 UN proper shipping name

Proper Shipping Name (ADR) : 1950 AEROSOLS  
 Proper Shipping Name (IMDG) : AEROSOLS  
 Transport document description (ADR /IMDG) : UN 1950 AEROSOLS, 2.2  
 Proper Shipping Name (IATA) : AEROSOLS, Non-flammable  
 Transport document description (IATA) : UN 1950 AEROSOLS, Non-Flammable 2.2

### 14.3 Transport hazard class(es)

Class / Classification (ADR) : 2 5A Gases  
 Label : 2.2



### 14.4 Packing group

ARD, IMDG, IATA : None

### 14.5 Environmental hazards

Other information : No supplementary information available

### 14.6 Special precautions for user

Classification code (ADR) : 5A  
 Special provisions (ADR) : 190, 327, 344, 625  
 Transport category (ADR) : 3  
 Limited quantities (ADR) : 1 L  
 EmS-No. : F-D, S-U

### 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  
 ACF-50 (Aerosol) is not on the REACH Candidate List  
 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

<b>Data Sources</b>	: 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
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### Legend

PBT	: Persistent, Bioaccumulative and Toxic
vPvB	: very Persistent and very Bioaccumulative
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
Aerosol 3	: Aerosol Category 3
Eye Irrit. 2	: Serious eye damage/irritation Category 2

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

H220	: extremely flammable gas
H304	: may be fatal if swallowed
H280	: contains gas under pressure; may explode if heated
H336	: may cause drowsiness or dizziness
H372	: causes damage to organs through prolonged or repeated exposure
H350	: may cause cancer

### This Safety Data Sheet contains the following revisions

Section 03: Composition /information on ingredients was modified  
Section 16: H-codes updated

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.