# SAFETY DATA SHEET



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

1.1. Product identifier

Trade name or designation

of the mixture

SILICONE FG

Registration number

registration number -

Synonyms None.

Product code UDS001001AE Issue date 28-October-2022

Version number 1.0

Revision date 28-October-2022

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

Identified usesLubricantsUses advised againstNone known.

1.3. Details of the supplier of the safety data sheet

Company name CRC Industries UK Ltd.

Address Wylds Road

Castlefield Industrial Estate TA6 4DD Bridgwater Somerset

United Kingdom

 Telephone
 +44 1278 727200

 Fax
 +44 1278 425644

 E-mail
 hse.uk@crcind.com

 Website
 www.crcind.com

Company name CRC Industries Europe by

Address Touwslagerstraat 1

9240 Zele Belgium

 Telephone
 +32(0)52/45.60.11

 Fax
 +32(0)52/45.00.34

 E-mail
 hse@crcind.com

 Website
 www.crcind.com

1.4. Emergency telephone

Tel.:(+44)(0)1278 72 7200 (office hours: 9-17h GMT)

number

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

## Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Aerosols Category 1 H222 - Extremely flammable

aerosol.

H229 - Pressurized container: May

burst if heated.

**Health hazards** 

Skin corrosion/irritation Category 2 H315 - Causes skin irritation.

**Environmental hazards** 

Hazardous to the aquatic environment, Category 3 H412 - Harmful to aquatic life with

long-term aquatic hazard long lasting effects.

2.2. Label elements

Material name: SILICONE FG - Ambersil - europe

SDS GREAT BRITAIN

## Label according to Regulation (EC) No. 1272/2008 as amended

**Hazard pictograms** 



Signal word Danger

**Hazard statements** 

Extremely flammable aerosol. H222

Pressurized container: May burst if heated. H229

Causes skin irritation. H315

Harmful to aquatic life with long lasting effects. H412

**Precautionary statements** 

Prevention

Keep out of reach of children. P102

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P210

Do not spray on an open flame or other ignition source. P211

Do not pierce or burn, even after use. P251

Wear protective gloves/protective clothing/eye protection/face protection. P280

Not assigned. Response

Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P410 + P412

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations. P501

Supplemental label information

2.3. Other hazards This mixture does not contain substances assessed to be vPvB / PBT according to Regulation

> (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or

Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

### **General information**

Chemical name	%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No.	Notes
hydrocarbons,C6,isoalkanes,< 5%	<20	-	01-2119484651-34	649-328-00-1	
n-hexane		931-254-9			
Classification:	Flam. Liq.	2;H225, Skin Irrit. 2;H	1315, STOT SE 3;H336, Asp	o. Tox.	
	1;H304, A	quatic Chronic 2;H41	1		

### List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. #: This

substance has been assigned Union workplace exposure limit(s).

**Composition comments** The full text for all H-statements is displayed in section 16.

#### **SECTION 4: First aid measures**

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth. Ingestion

4.2. Most important symptoms and effects, both acute and

Skin irritation. May cause redness and pain.

delayed

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation.

Symptoms may be delayed.

UDS001001AE Version #: 1.0 Revision date: 28-October-2022 Issue date: 28-October-2022

Material name: SILICONE FG - Ambersil - europe

SDS GREAT BRITAIN

## **SECTION 5: Firefighting measures**

General fire hazards

Extremely flammable aerosol.

5.1. Extinguishing media

Suitable extinguishing

media

Dry chemical powder. Carbon dioxide (CO2). Foam.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture Contents under pressure. Pressurised container may explode when exposed to heat or flame.

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire fighting procedures

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose

holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. In the

event of fire and/or explosion do not breathe fumes.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

For emergency responders

Keep unnecessary personnel away. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. The product is immiscible with water and will spread on the water surface. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## **SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS). Storage class (TRGS 510): 2B (Aerosol dispensers and lighters)

Not available. 7.3. Specific end use(s)

## **SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

Occupational exposure limits No exposure limits noted for ingredient(s).

No biological exposure limits noted for the ingredient(s). **Biological limit values** 

Recommended monitoring

procedures

Follow standard monitoring procedures.

UDS001001AE Version #: 1.0 Revision date: 28-October-2022 Issue date: 28-October-2022

### Derived no effect levels (DNELs)

#### General population

Value Components Assessment factor Notes

hydrocarbons, C6, isoalkanes, < 5% n-hexane (CAS -)

Long-term, Systemic, Dermal 1377 mg/kg bw/day Long-term, Systemic, Inhalation 1131 mg/kg bw/day 1301 mg/kg bw/day Long-term, Systemic, Oral

Workers

Components Value Assessment factor Notes

hydrocarbons, C6, isoalkanes, < 5% n-hexane (CAS -)

Long-term, Systemic, Dermal 13964 mg/kg bw/day

Long-term, Systemic, Inhalation 5306 mg/m3

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety

shower.

Individual protection measures, such as personal protective equipment

**General information** Use personal protective equipment as required. Personal protection equipment should be chosen

according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166. Eye/face protection

Skin protection

When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough - Hand protection

time of the glove should be longer than the total duration of product use. If work lasts longer than

the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended. Suitable gloves can be recommended by the glove supplier.

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. - Other

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with

organic vapour cartridge and full facepiece. (Filter type AX)

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures When using do not smoke. Always observe good personal hygiene measures, such as washing

after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

**Environmental exposure** 

controls

Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

**Appearance** 

**Physical state** Liquid. **Form** Aerosol Colour Colourless. Solvent. Odour **Odour threshold** Not available. Not applicable. Melting point/freezing point Not available. Initial boiling point and boiling 57 °C (134.6 °F)

range

Flash point < 0 °C (< 32.0 °F) Not available. **Evaporation rate** Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Explosive limit - lower (%)

Material name: SILICONE FG - Ambersil - europe SDS GREAT BRITAIN Explosive limit - upper

(%)

7.4 %

Vapour pressureNot available.Vapour densityNot available.Relative density0.7 g/cm3 20 °C

Solubility(ies)

Solubility (water) Insoluble in water

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature > 200 °C (> 392 °F)

Decomposition temperature

Viscosity

Viscosity

Viscosity temperature

40 °C (104 °F)

Explosive properties

Not available.

47 mPa·s

40 °C (104 °F)

Not explosive.

Not oxidising.

9.2. Other information

**VOC** 545 g/l

## **SECTION 10: Stability and reactivity**

**10.1. Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability** Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Avoid high temperatures.10.5. Incompatible materials Strong oxidising agents.

10.6. Hazardous

decomposition products

Carbon oxides.

## **SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** Causes skin irritation.

**Eye contact** Direct contact with eyes may cause temporary irritation.

**Ingestion** May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of

occupational exposure.

**Symptoms** Skin irritation. May cause redness and pain.

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Components Species Test Results

hydrocarbons,C6,isoalkanes,< 5% n-hexane

<u>Acute</u> Dermal

LD50 Rabbit 3350 mg/kg, 4 h

Inhalation

LD50 Rat 259354 mg/m3

Oral

LD50 Rat 16750 mg/kg

**Skin corrosion/irritation** Causes skin irritation.

Serious eye damage/eye

irritation

Direct contact with eyes may cause temporary irritation.

Respiratory sensitisationBased on available data, the classification criteria are not met.Skin sensitisationBased on available data, the classification criteria are not met.Germ cell mutagenicityBased on available data, the classification criteria are not met.

**Germ cell mutagenicity**Based on available data, the classification criteria are not met. **Carcinogenicity**Based on available data, the classification criteria are not met.

Material name: SILICONE FG - Ambersil - europe
UDS001001AE Version #: 1.0 Revision date: 28-October-2022 Issue date: 28-October-2022

Based on available data, the classification criteria are not met. Reproductive toxicity

Specific target organ toxicity -

single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity -

repeated exposure

Based on available data, the classification criteria are not met.

**Aspiration hazard** Not likely, due to the form of the product.

Mixture versus substance

information

Not available.

## **SECTION 12: Ecological information**

12.1. Toxicity Harmful to aquatic life with long lasting effects.

Components		Species	Test Results	
hydrocarbons,C6,isoalkan	es,< 5% n-hexane			
Acute				
Other	EC50	Pseudokirchnerella subcapitata	13.6 mg/l, 72 hours	
	NOEC	Pseudokirchnerella subcapitata	3 mg/l, 72 hours	
Aquatic				
Acute				
Crustacea	EC50	Daphnia magna	31.9 mg/l, 48 hours	
	NOEC	Daphnia magna	7.14 mg/l, 21 days	
Fish	EC50	Rainbow trout	18.3 mg/l, 96 hours	

12.2. Persistence and

degradability

No data is available on the degradability of any ingredients in the mixture.

12.3. Bioaccumulative potential No data available.

Partition coefficient

n-octanol/water (log Kow)

Not available.

NOEC

**Bioconcentration factor (BCF)** Not available 12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB

assessment

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation

4.09 mg/l, 28 days

(EC) No 1907/2006, Annex XIII.

12.6. Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation

Rainbow trout

potential. GWP: 2

### **SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal. Do not re-use empty containers.

The Waste code should be assigned in discussion between the user, the producer and the waste EU waste code

disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents

under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international

regulations.

Dispose in accordance with all applicable regulations. Special precautions

## **SECTION 14: Transport information**

**ADR** 

UN1950 14.1. UN number

AEROSOLS, flammable 14.2. UN proper shipping

name

14.3. Transport hazard class(es) Class 2.1 Subsidiary risk

Material name: SILICONE FG - Ambersil - europe UDS001001AE Version #: 1.0 Revision date: 28-October-2022 Issue date: 28-October-2022 Label(s) 2.1

Hazard No. (ADR) Not assigned.

**Tunnel restriction code** D **ADR/RID - Classification** 5F

code:

14.4. Packing group Not assigned.

14.5. Environmental hazards No

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

RID

**14.1. UN number** UN1950

14.2. UN proper shipping AEROSOLS, flammable

name

14.3. Transport hazard class(es)
Class 2.1

Subsidiary risk - Label(s) 2.1

14.4. Packing group Not assigned.

14.5. Environmental hazards No.

**14.6. Special precautions** Read safety instructions, SDS and emergency procedures before handling.

for user

ADN

**14.1. UN number** UN1950

14.2. UN proper shipping AEROSOLS, flammable

name

14.3. Transport hazard class(es)

Class 2.1 Subsidiary risk -Label(s) 2.1

14.4. Packing group Not assigned.

14.5. Environmental hazards No

**14.6. Special precautions** Read safety instructions, SDS and emergency procedures before handling.

for user

**IATA** 

**14.1. UN number** UN1950

**14.2. UN proper shipping** Aerosols, flammable

name

14.3. Transport hazard class(es)

Class 2.1 Subsidiary risk -

14.4. Packing group Not assigned.

**14.5. Environmental hazards** No **ERG Code** 101

**14.6. Special precautions** Read safety instructions, SDS and emergency procedures before handling.

for user

Other information

Passenger and cargo Allowed with restrictions.

aircraft

Cargo aircraft only Allowed with restrictions.

IMDG

**14.1. UN number** UN1950

**14.2. UN proper shipping** Aerosols, flammable

name

14.3. Transport hazard class(es)

Class 2.1 Subsidiary risk -

**14.4. Packing group** Not assigned.

14.5. Environmental hazards

Marine pollutant No S F-D. S-U

**14.6. Special precautions** Read safety instructions, SDS and emergency procedures before handling.

for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

ADN; ADR; IATA; IMDG; RID



## **SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Retained direct EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not applicable.

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

#### **Authorisations**

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

#### Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Not listed.

#### Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended Not listed.

## Other regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

15.2. Chemical safety

No Chemical Safety Assessment has been carried out.

assessment

## **SECTION 16: Other information**

### List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

CAS: Chemical Abstract Service.

Ceiling: Short Term Exposure Limit Ceiling value. CEN: European Committee for Standardization.

Material name: SILICONE FG - Ambersil - europe
UDS001001AE Version #: 1.0 Revision date: 28-October-2022 Issue date: 28-October-2022

CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

GWP: Global Warming Potential.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals). RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TLV: Threshold Limit Value. TWA: Time Weighted Average. VLE: Exposure Limit Value. VME: Exposure Average Value.

VOC: Volatile organic compounds. vPvB: Very persistent and very bioaccumulative.

STEL: Short-term Exposure Limit.

Not available.

Information on evaluation method leading to the classification of mixture

Full text of any statements, which are not written out in full under sections 2 to 15

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Revision information Training information

Disclaimer

References

lone.

Follow training instructions when handling this material.

CRC Industries Europe UK Limited cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC. The products are governed by Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP); Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (in each case, as amended and replaced) and other applicable laws. It is an importers or downstream users responsibility to ensure compliance of product they import. An SDS provided in the official language(s) of a country is not a guarantee of compliance in that country.

Material name: SILICONE FG - Ambersil - europe

SDS GREAT BRITAIN