

Trade name : Lithofin KF Silicone Remover

Revision date : 05.01.2018

Version (Revision) : 1.0.1 (1.0.0)

Print date : 07.03.2018

SECTION 1: Identification of the substance/mixture and of the company/ undertaking**1.1 Product identifier**

Lithofin KF Silicone Remover

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

Mixture Washing and cleaning products, contains: organic solvents acidic

1.3 Supplier (manufacturer/importer/only representative/downstream user/distributor)**Distributor :**

Casdron Enterprises Ltd.

Street :

Wood End, Prospect Road

Postal code/city :

GB- New Alresford, Hants SO 24 9QF

Telephone :

+44 1962 732126

Telefax :

+44 1962 735373

Contact :

Technical Department

E-mail: sales@lithofin.co.uk

Emergency telephone number:

0196 2732126

(Only available during office hours)

Supplier :

Lithofin AG

Street :

Heinrich-Otto-Str. 36

Postal code/city :

73240 Wendlingen

Telephone :

+49 (0)7024 9403-0

Telefax :

+49 (0)7024 9403-40

Contact :

Technical Department

E-mail: info@lithofin.de

Emergency telephone number:

+49 (0)7024 9403-0

(Only available during office hours)

1.4 Emergency telephone number

see section 1.3

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP]**

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Corr. 1B ; H314 - Skin corrosion/irritation : Category 1B ; Causes severe skin burns and eye damage.

Additional information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Remark

Full text of H- and EUH-phrases: see section 16.

2.2 Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

(EN / D)

Trade name : Lithofin KF Silicone Remover

Revision date : 05.01.2018

Version (Revision) : 1.0.1 (1.0.0)

Print date : 07.03.2018



Corrosion (GHS05)

Signal word

Danger

Hazard components for labelling

Phosphoric acid, 2-ethylhexyl ester ; CAS No. : 12645-31-7

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P102 Keep out of reach of children.

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

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

Other labelling

2.3 Other hazards

Adverse human health effects and symptoms

Due to its pH value (see section 9), irritation of the skin and eyes cannot be ruled out.

2.4 Additional information

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; REACH registration No. : 01-2119485032-45-xxxx ; EC No. : 921-050-8; CAS No. : (64742-47-8)

Weight fraction : $\geq 70 - < 75$ %

Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

Phosphoric acid, 2-ethylhexyl ester ; REACH registration No. : 01-2119896587-13-xxxx ; EC No. : 235-741-0; CAS No. : 12645-31-7

Weight fraction : $\geq 15 - < 20$ %

Classification 1272/2008 [CLP] : Skin Corr. 1B ; H314

Additional information

All ingredients of this mixture are (pre)registered according to REACH regulation. < 0,1% Benzene, REG(EC) No 1272/2008, Annex VI; J, P

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

(EN / D)

Trade name : Lithofin KF Silicone Remover

Revision date : 05.01.2018

Version (Revision) : 1.0.1 (1.0.0)

Print date : 07.03.2018

respiration. In case of respiratory tract irritation, consult a physician.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Immediately remove any contaminated clothing, shoes or stockings. Do not wash with: Cleaning agent, acidic Cleaning agent, alkaline Solvents/Thinner

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

After ingestion

Call a physician immediately. Keep at rest. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water alcohol resistant foam ABC-powder Carbon dioxide (CO₂) Water spray

Unsuitable extinguishing media

Full water jet Strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide Carbon dioxide (CO₂)

5.3 Advice for firefighters

Use suitable breathing apparatus.

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Use water spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases. The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (refer to section 8). Provide adequate ventilation. Remove persons to safety.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For cleaning up

Suitable material for taking up: Universal binder

Other information

Clear spills immediately.

6.4 Reference to other sections

Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

SECTION 7: Handling and storage

Trade name : Lithofin KF Silicone Remover

Revision date : 05.01.2018

Version (Revision) : 1.0.1 (1.0.0)

Print date : 07.03.2018

7.1 Precautions for safe handling

When using do not eat, drink, smoke, sniff.

Protective measures

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists
Skin contact Eye contact Wear personal protection equipment (refer to section 8). Always close containers tightly after the removal of product. Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Measures to prevent fire

The product is not: Flammable Usual measures for fire prevention.

Fire class : B

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep/Store only in original container.

Hints on joint storage

Storage class (TRGS 510) : 8A

Recommended storage temperature 5 - 25 °C

Further information on storage conditions

Keep locked up and out of reach of children. Keep container tightly closed in a cool, well-ventilated place.

7.3 Specific end use(s)

Recommendation

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

2-(2-ETHOXYETHOXY)ETHANOL ; CAS No. : 111-90-0

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 6 ppm / 35 mg/m³

Peak limitation : 2(I)

Remark : Y

Version : 17.10.2017

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection

Eye glasses with side protection goggles

Required properties

DIN EN 166

Skin protection

Hand protection

Suitable gloves type : Gloves with long cuffs

Suitable material : NBR (Nitrile rubber), 0,4mm, >8h; FKM (fluoro rubber), 0,7mm, >8h;

Recommended glove articles : Manufacturer KCL GmbH/Eichenzell-Germany; Ansell/Yarra City-Australia Or comparable articles from other companies.

Additional hand protection measures : Check leak tightness/impermeability prior to use.

Remark : Breakthrough times and swelling properties of the material must be taken into consideration. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Body protection

Protective clothing.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

(EN / D)

Trade name : Lithofin KF Silicone Remover

Revision date : 05.01.2018

Version (Revision) : 1.0.1 (1.0.0)

Print date : 07.03.2018

Suitable protective clothing : Chemical protection clothing Chemical resistant safety shoes

Required properties : acid-resistant.

Recommended protective clothing articles : DIN EN ISO 20345 DIN EN 13034 DIN EN 14605 DIN EN 14404

Remark : Barrier creams are not substitutes for body protection.

Respiratory protection

Usually no personal respiratory protection necessary. Respiratory protection necessary at: insufficient ventilation aerosol or mist formation. high concentrations spray application

Suitable respiratory protection apparatus

Combination filtering device (EN 14387) Half-face mask (DIN EN 140) ABEK-P1

Remark

Use only respiratory protection equipment with CE-symbol including four digit test number. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

General health and safety measures

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash contaminated clothing prior to re-use. Wash hands before breaks and after work. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : viscous

Colour : light yellow

Odour : unspecific

Safety relevant basis data

Freezing point :	(1013 hPa)	<	-18	°C	
Initial boiling point and boiling range :	(1013 hPa)	approx.	185	°C	
Decomposition temperature :	(1013 hPa)		not determined		
Flash point :		approx.	95	°C	closed cup
Ignition temperature :			not determined		
Sustaining combustion			Yes		UN Test L2:Sustained combustibility test
Lower explosion limit :			not determined		
Upper explosion limit :			not determined		
Vapour pressure :	(50 °C)	<	3000	hPa	
Density :	(20 °C)		0,9	g/cm ³	Pyknometer
Solvent separation test :	(20 °C)	<	3	%	
Water solubility	(20 °C)		partially miscible		
pH :		approx.	4		
log P O/W :			not determined		
Flow time :	(23 °C)	>	90	s	ISO cup 4 mm
Odour threshold :			not determined		
Vapourisation rate :			not determined		
VOC-FR			not applicable		

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

(EN / D)

Trade name : Lithofin KF Silicone Remover

Revision date : 05.01.2018

Version (Revision) : 1.0.1 (1.0.0)

Print date : 07.03.2018

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No hazardous reaction when handled and stored according to provisions.

10.5 Incompatible materials

The product develops hydrogen in an aqueous solution in contact with metals.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-47-8))

Exposure route : Oral

Species : Rat

Effective dose : > 5000 mg/kg

Parameter : LD50 (Phosphoric acid, 2-ethylhexyl ester ; CAS No. : 12645-31-7)

Exposure route : Oral

Species : Rat

Effective dose : 2500 mg/kg

Acute dermal toxicity

Parameter : LD50 (Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-47-8))

Exposure route : Dermal

Species : Rabbit

Effective dose : > 2000 mg/kg

Specific symptoms in animal studies

No data available

Irritant and corrosive effects

Assessment/classification

Causes serious eye damage. Causes severe burns.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No indication of human carcinogenicity.

Germ cell mutagenicity

In vivo mutagenicity

Other information

No experimental indications of mutagenicity in-vitro exist.

Human toxicological data

Other information

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

Practical experience/human evidence

No indications of human reproductive toxicity exist.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)

(EN / D)

Trade name : Lithofin KF Silicone Remover

Revision date : 05.01.2018

Version (Revision) : 1.0.1 (1.0.0)

Print date : 07.03.2018

Acute (short-term) algae toxicity

Parameter : EC50 (Phosphoric acid, 2-ethylhexyl ester ; CAS No. : 12645-31-7)
Species : Daphnia
Effective dose : > 100 mg/l
Exposure time : 48 h

Effects in sewage plants

Observe local regulations concerning effluent treatment. Before discharge into sewage plants the product normally needs to be neutralised.

12.2 Persistence and degradability

No data available

Biodegradation

The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No data available

12.7 Additional ecotoxicological information

Additional information

The product has not been tested.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose according to legislation.

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

Waste code (91/689/EEC) : 07 06 04*

Waste code packaging

Waste code packaging: 15 01 10*

Waste treatment options

29/35 - Do not empty into drains; dispose of this material and its container in a safe way. Delivery to an approved waste disposal company.

Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

13.2 Additional information

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

SECTION 14: Transport information

14.1 UN number

UN 1760

14.2 UN proper shipping name

Land transport (ADR/RID)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

(EN / D)

Trade name : Lithofin KF Silicone Remover

Revision date : 05.01.2018

Version (Revision) : 1.0.1 (1.0.0)

Print date : 07.03.2018

CORROSIVE LIQUID, N.O.S. (Phosphoric acid 2-ethylhexyl ester)

Sea transport (IMDG)

CORROSIVE LIQUID, N.O.S. (Phosphoric acid 2-ethylhexyl ester)

Air transport (ICAO-TI / IATA-DGR)

CORROSIVE LIQUID, N.O.S. (Phosphoric acid 2-ethylhexyl ester)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 8
Classification code : C9
Hazard identification number (Kemler No.) : 80
Tunnel restriction code : E
Special provisions : LQ 1 | · E 2
Hazard label(s) : 8

Sea transport (IMDG)

Class(es) : 8
EmS-No. : F-A / S-B
Special provisions : LQ 1 | · E 2 · IMDG-Code segregation group 1 - Acids
Hazard label(s) : 8

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 8
Special provisions : E 2
Hazard label(s) : 8

14.4 Packing group

II

14.5 Environmental hazards

Land transport (ADR/RID) : No
Sea transport (IMDG) : No
Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not required.

SECTION 15: Regulatory information

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

EU legislation

REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (clp)

Directive 2008/98/EC of the European Parliament and of the Council on waste (2000/532/EC)

EN 2:1992 (DIN EN 2:2005-01)

Other regulations (EU)

Regulation (EC) No. 648/2004 (Detergents regulation) Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work. (Directive 2000/39/EC, Directive 2006/15/EC, Directive 2009/161/EC)

National regulations

Observe in addition any national regulations! TRGS 510

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to AwSV

Other regulations, restrictions and prohibition regulations

Switzerland

Safety Data Sheet

(EN / D)

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : Lithofin KF Silicone Remover

Revision date : 05.01.2018

Version (Revision) : 1.0.1 (1.0.0)

Print date : 07.03.2018

VOCV-Regulation

Maximum VOC content (Switzerland) : < 3 Wt % according to VOCV

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

15. Water hazard class (WGK)

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.