

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

(EN / D)

Trade name : Lithofin Steel-Clean

Revision date : 03.03.2021

Version (Revision) : 4.2.0 (4.1.0)

Print date : 13.04.2021

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

1.1 Product identifier

Lithofin Steel-Clean

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

Mixture Care Product, Contains: organic solvents

1.3 Supplier

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]

Aerosol 1 ; H222 - Aerosols : Category 1 ; Extremely flammable aerosol.

Aerosol 1 ; H229 - Aerosols : Category 1 ; Pressurised container: May burst if heated.

Additional information

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

2.2 Label elements

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

Hazard pictograms



Flame (GHS02)

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Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

Precautionary statements

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local and national regulations.

Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

Special rules for supplemental label elements for certain mixtures

EUH208 Contains (R)-P-MENTHA-1,8-DIENE. May produce an allergic reaction.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; REACH No. : 01-2119457273-39-xxxx ; EC No. : 918-481-9; CAS No. : (64742-48-9)

Weight fraction : $\geq 45 - < 50$ %

Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304 EUH066

(R)-P-MENTHA-1,8-DIENE ; REACH No. : 01-2119529223-47-xxxx ; EC No. : 227-813-5; CAS No. : 5989-27-5

Weight fraction : $\geq 0,1 - < 0,25$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH

None (below the concentration limit)

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH

None (below the concentration limit)

Additional information

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

SECTION 4: First aid measures

4.1 Description of first aid measures

No special measures are necessary.

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

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

None

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5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

None

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

None

6.2 Environmental precautions

None

6.3 Methods and material for containment and cleaning up

None

6.4 Reference to other sections

None

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Protective measures****Measures to prevent fire**

Fire class : C

7.2 Conditions for safe storage, including any incompatibilities**Hints on joint storage**

Storage class (TRGS 510) : 2B

Recommended storage temperature 5 - 25 °C

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9)

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

Limit value : 600 mg/m³

Version :

BUTANE ; CAS No. : 106-97-8

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

Limit value : 1000 ppm / 2400 mg/m³

Peak limitation : 4(II)

Version : 27.10.2020

PROPANE ; CAS No. : 74-98-6

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

Limit value : 1000 ppm / 1800 mg/m³

Peak limitation : 4(II)

Version : 27.10.2020

ISOBUTANE ; CAS No. : 75-28-5

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

Limit value : 1000 ppm / 2400 mg/m³

Peak limitation : 4(II)

Version : 27.10.2020

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(R)-P-MENTHA-1,8-DIENE ; CAS No. : 5989-27-5
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 5 ppm / 28 mg/m³
Peak limitation : 4 (II)
Remark : H, Sh, Y
Version : 27.10.2020

8.2 Exposure controls

Personal protection equipment

Skin protection

Hand protection

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : gaseous

Colour : colourless

Odour : perfumed

Safety characteristics

Melting point/freezing point :	(1013 hPa)	<	-13 °C	
Initial boiling point and boiling range :	(1013 hPa)		not determined	
Decomposition temperature :	(1013 hPa)		not determined	
Flash point :		<	0 °C	closed cup (EN ISO 3679)
Auto-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)		0,68 g/cm ³	Pyknometer (DIN EN ISO 2811-1)
Water solubility	(20 °C)		immiscible	
pH :			not applicable	DIN 19268
log P O/W :			not determined	(Mixture)
Flow time :	(23 °C)		not applicable	ISO cup 4 mm (DIN EN ISO 2431)
Odour threshold :			not determined	
Vapourisation rate :			not determined	
VOC content-EC			91,2 Wt %	*
VOC-France			not applicable	Décret no 2011-321 du 23 mars 2011

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

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No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

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

Acute oral toxicity

Parameter :	LD50 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Exposure route :	Oral
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ((R)-P-MENTHA-1,8-DIENE ; CAS No. : 5989-27-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	4400 mg/kg

Acute dermal toxicity

Parameter :	LD50 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Exposure route :	Dermal
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ((R)-P-MENTHA-1,8-DIENE ; CAS No. : 5989-27-5)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg

Corrosion

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

Assessment/classification

Repeated exposure may cause skin dryness or cracking.

Respiratory or skin sensitisation

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

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

Germ cell mutagenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

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12.1 Toxicity

Aquatic toxicity

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

Chronic (long-term) fish toxicity

Parameter : NOEC (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Species : Fish
Effective dose : > 0,1 - 1 mg/l

Chronic (long-term) toxicity to crustacea

Parameter : NOEC (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Species : Daphnia
Effective dose : > 0,1 - 1 mg/l

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : EC50 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Species : Daphnia
Effective dose : > 100 mg/l
Parameter : EC50 ((R)-P-MENTHA-1,8-DIENE ; CAS No. : 5989-27-5)
Species : Daphnia
Effective dose : 17 mg/l
Exposure time : 48 h

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information 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 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Waste codes/waste designations according to EWC/AVV

Waste code (EWC/AVV) : 16 05 04* (Gases in pressure containers (including halons) containing hazardous substances)

SECTION 14: Transport information

14.1 UN number

UN 1950

14.2 UN proper shipping name

Land transport (ADR/RID)

AEROSOLS

Sea transport (IMDG)

AEROSOLS

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Air transport (ICAO-TI / IATA-DGR)
AEROSOLS, FLAMMABLE

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 2
Classification code : 5F
Hazard identification number (Kemler No.) : 23
Tunnel restriction code : D
Special provisions : LQ 1 | E 0
Hazard label(s) : 2.1

Sea transport (IMDG)

Class(es) : 2.1
EmS-No. : F-D / S-U
Special provisions : LQ 1 | E 0
Hazard label(s) : 2.1

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 2.1
Special provisions : E 0
Hazard label(s) : 2.1

14.4 Packing group

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

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3, 40

National regulations

Water hazard class (WGK)

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

Other regulations, restrictions and prohibition regulations

Switzerland

VOCV-Regulation

Maximum VOC content (Switzerland) : 91,2 Wt % according to VOCV

Austria

Regulation on Flammable Liquids - VbF

VbF-Class : NU

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

02. Label elements · 07. Hints on joint storage - Storage class · 15. Water hazard class (WGK)

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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)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.
