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

Trade name : Lithofin Sticker Remover

Revision date : 30.01.2019 **Version (Revision) :** 4.0.2 (4.0.1)
Print date : 13.02.2019

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

1.1 Product identifier
Lithofin Sticker 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

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]
Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.
Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.
Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.
Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.
STOT SE 3 ; H335 - STOT-single exposure : Category 3 ; May cause respiratory irritation.
STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

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

Flame (GHS02) · Health hazard (GHS08) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9)
Hydrocarbons, C9, aromatics ; CAS No. : (64742-95-6)
N-BUTYL ACETATE ; CAS No. : 123-86-4

Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

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.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
P331	Do NOT induce vomiting.
P405	Store locked up.
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.

Other labelling

2.3 Other hazards

Adverse physicochemical effects

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

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, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; REACH registration No. : 01-2119463258-33-xxxx ; EC No. : 919-857-5; CAS No. : (64742-48-9)

Weight fraction : ≥ 65 - < 70 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H336

Hydrocarbons, C9, aromatics ; REACH registration No. : 01-2119455851-35-xxxx ; EC No. : 918-668-5; CAS No. : (64742-95-6)

Weight fraction : ≥ 15 - < 20 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H335 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

N-BUTYL ACETATE ; REACH registration No. : 01-2119485493-29-xxxx ; EC No. : 204-658-1; CAS No. : 123-86-4
Weight fraction : ≥ 5 - < 10 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT SE 3 ; H336

BUTAN-1-OL ; REACH registration No. : 01-2119484630-38-xxxx ; EC No. : 200-751-6; CAS No. : 71-36-3
Weight fraction : ≥ 1 - < 3 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 STOT SE 3 ; H336

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. Observe risk of aspiration if vomiting occurs.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial 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. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

Notes for the doctor

Treat symptomatically.

Special treatment

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam Carbon dioxide (CO2) BC-powder ABC-powder 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. Remove persons to safety. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

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
Clean contaminated articles and floor according to the environmental legislation. Retain contaminated washing water and dispose it. Dispose of waste according to applicable legislation.

6.4 Reference to other sections

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

SECTION 7: Handling and storage

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. Technical measures and the application of suitable work processes have priority over personal protection equipment.

Measures to prevent fire

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Keep away from sources of ignition - No smoking. The product is: Combustible

Fire class :	B
Shake well before use	nein

Advices on general occupational hygiene

P362+P364 - Take off contaminated clothing and wash it before reuse.

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. The floor should be leak tight, jointless and not absorbent. Ensure adequate ventilation of the storage area.

Hints on joint storage

Storage class (TRGS 510) : 3
Protect from frost nein
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

Hydrocarbons, C9-C11, 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 :	

N-BUTYL ACETATE ; CAS No. : 123-86-4

Limit value type (country of origin) :	TRGS 900 (D)
Limit value :	62 ppm / 300 mg/m³
Peak limitation :	2(I)
Remark :	Y
Version :	01.03.2018

BUTAN-1-OL ; CAS No. : 71-36-3

Limit value type (country of origin) :	TRGS 900 (D)
Limit value :	100 ppm / 310 mg/m³
Peak limitation :	1(I)
Remark :	Y
Version :	01.03.2018
Limit value type (country of origin) :	TRGS 903 (D)
Parameter :	1-Butanol / Urine (U) / Before next shift
Limit value :	2 mg/g Kr
Version :	01.03.2018
Limit value type (country of origin) :	TRGS 903 (D)
Parameter :	1-Butanol / Urine (U) / End of exposure or end of shift
Limit value :	10 mg/g Kr
Version :	01.03.2018

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation of the storage area.
Technical measures and the application of suitable work processes have priority over personal protection equipment.

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 : Data apply to the main component. 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. Barrier creams are not substitutes for body protection.

Body protection

Protective clothing.

Suitable protective clothing : Chemical protection clothing Chemical resistant safety shoes

Required properties : antistatic.

Protective clothing. : DIN EN ISO 20345 DIN EN 13034 DIN EN 14605
footwear : DIN EN 14404

Remark : Barrier creams are not substitutes for body protection.

Respiratory protection

Usually no personal respirative 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. Keep away from food, drink and animal feeding stuffs. 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. Do not breathe gas/fumes/vapour/spray.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid

Colour : colourless

Odour : solvent

Safety relevant basis data

Melting point/melting range :	(1013 hPa)	<	-18	°C	
Initial boiling point and boiling range :	(1013 hPa)	approx.	146	°C	
Decomposition temperature :	(1013 hPa)		not determined		
Flash point :		approx.	32	°C	closed cup (EN ISO 3679)
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)		0,8	g/cm^3	Pyknometer (DIN EN ISO 2811-1)
Solvent separation test :	(20 °C)	<	3	%	Test L1: Solvent separation test (UN)
Water solubility	(20 °C)		partially miscible		
pH :			not applicable		DIN 19268
log P O/W :			not determined		(Mixture)
Flow time :	(23 °C)	approx.	12	s	ISO cup 4 mm (DIN EN ISO 2431)
Odour threshold :			not determined		
Vapourisation rate :			not determined		
VOC content-EC		approx.	100	Wt %	*
VOC-France			not applicable		Décret no 2011-321 du 23 mars 2011

(* VOC-EC = „Volatile organic compound (VOC)" means any organic compound having an initial boiling point less than or equal to 250°C measured at a standard pressure of 101,3 kPa; VOC-value in g/L)

9.2 Other information

Data apply to the main component:
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (CAS: 64742-48-9)
Lower explosion limit (Vol-%): 0,6
Upper explosion limit (Vol-%): 6,0
log P O/W: 5,0 - 6,7

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Stable under recommended storage and handling conditions.

10.5 Incompatible materials

No data available

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

There are no data available on the preparation/mixture itself. Data apply to the main component.

Acute oral toxicity

Parameter :	LD50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	790 mg/kg
Parameter :	LD50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Oral
Species :	Rat
Effective dose :	10760 mg/kg
Method :	OECD 423
Parameter :	LD50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Parameter :	LD50 (Hydrocarbons, C9, aromatics ; CAS No. : (64742-95-6))
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 - 5000 mg/kg

Acute dermal toxicity

Parameter :	LD50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 14112 mg/kg
Method :	OECD 402
Parameter :	LD50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))

Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg
Parameter :	LD50 (Hydrocarbons, C9, aromatics ; CAS No. : (64742-95-6))
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	3400 mg/kg

Acute inhalation toxicity

Parameter :	LC50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	8000 ppm
Parameter :	LC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	23,4 mg/l
Exposure time :	4 h
Method :	OECD 403

Specific symptoms in animal studies

There are no data available on the preparation/mixture itself.

Irritant and corrosive effects

Assessment/classification

Repeated exposure may cause skin dryness or cracking.

Sensitisation

There are no data available on the preparation/mixture itself.

Repeated dose toxicity (subacute, subchronic, chronic)

There are no data available on the preparation/mixture itself.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

There are no data available on the preparation/mixture itself.

Other information

No indication of human carcinogenicity.

Germ cell mutagenicity

There are no data available on the preparation/mixture itself.
No indications of human germ cell mutagenicity exist.

Reproductive toxicity

There are no data available on the preparation/mixture itself.

Other information

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.

STOT-single exposure

See SECTION 2.1 (classification).

STOT-repeated exposure

See SECTION 2.1 (classification).

Aspiration hazard

See SECTION 2.1 (classification).

SECTION 12: Ecological information

12.1 Toxicity

Data apply to the main component. There are no data available on the preparation/mixture itself.

Aquatic toxicity

Chronic (long-term) fish toxicity

Parameter :	NOEC (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Species :	Fish
Effective dose :	> 0,1 - 1 mg/l

Chronic (long-term) daphnia toxicity

Parameter :	NOEC (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Species :	Daphnia
Effective dose :	> 0,1 - 1 mg/l

Acute (short-term) algae toxicity

Parameter :	EC50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Species :	Daphnia
Effective dose :	1983 mg/l
Exposure time :	48 h
Parameter :	EC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Species :	Daphnia
Effective dose :	44 mg/l
Exposure time :	48 h
Parameter :	EC50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; CAS No. : (64742-48-9))
Species :	Daphnia
Effective dose :	> 1000 mg/l
Exposure time :	48 h
Method :	OECD 202
Parameter :	EC50 (Hydrocarbons, C9, aromatics ; CAS No. : (64742-95-6))
Species :	Daphnia
Effective dose :	> 1 - 10 mg/l

Effects in sewage plants

Observe local regulations concerning effluent treatment.

12.2 Persistence and degradability

There are no data available on the preparation/mixture itself.

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

There are no data available on the preparation/mixture itself.

12.4 Mobility in soil

There are no data available on the preparation/mixture itself.

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

There are no data available on the preparation/mixture itself.

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.
Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

Waste code (EWC/AVV) : 07 06 04*

Waste code packaging

Waste code packaging: 15 01 10*

Waste treatment options

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 1993

14.2 UN proper shipping name

Land transport (ADR/RID)

FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE · N-BUTYL ACETATE)

Sea transport (IMDG)

FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE · N-BUTYL ACETATE)

Air transport (ICAO-TI / IATA-DGR)

FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE · N-BUTYL ACETATE)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) :	3
Classification code :	F1
Hazard identification number (Kemler No.) :	30
Tunnel restriction code :	D/E
Special provisions :	LQ 5 l · E 1
Hazard label(s) :	3

Sea transport (IMDG)

Class(es) :	3
EmS-No. :	F-E / S-E
Special provisions :	LQ 5 l · E 1
Hazard label(s) :	3

Air transport (ICAO-TI / IATA-DGR)

Class(es) :	3
Special provisions :	E 1
Hazard label(s) :	3

14.4 Packing group

III

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)

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : None, if handled according to order.

Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

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)
REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the export and import of hazardous chemicals [PIC-Regulation]
REGULATION (EU) No 98/2013 on the marketing and use of explosives precursors: Not applicable.

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer

Not applicable.
Contains the following substances that deplete the ozone layer: -

Regulation (EC) No 850/2004 [POP-Regulation]

Not applicable.
Name of the persistent organic pollutant (POP): -

National regulations

Observe in addition any national regulations!
Germany:
TRGS 400 (Risk assessment for activities involving hazardous substances)
TRGS 500 (Protective measures)
TRGS 510 (Storage of hazardous substances in non-stationary containers)
TRGS 555 (Working instruction and information for workers)

Water hazard class (WGK)

Class : 2 (Significant hazardous to water) Classification according to AwSV

Other regulations, restrictions and prohibition regulations

Switzerland

VOCV-Regulation

Maximum VOC content (Switzerland) : 100 Wt % according to VOCV

15.2 Chemical safety assessment

For this substance/mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

07. Hints on joint storage - Storage class

16.2 Abbreviations and acronyms

ABC-Pulver	Extinguishing powder for fire class A, B and C

ABEK-P1	combination filter
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AVV	Abfallverzeichnis-Verordnung (Waste Regulation)
AWSV	Ordinance on facilities for the handling of substances hazardous to water
BGR	BG rules and regulations
ca.	circa
CAS	Chemical Abstract Service
CLP	classification, labelling and packaging
CMR	Carcinogen, mutagen or toxic for reproduction
DIN	German Institute for Standardization
DNEL	Derived No-Effect Level
EAK/EWC/EAC/CWR/CER	European Waste Catalogue
EC50 / CE50	Effective Concentration 50%
EG / EC / CE	European Community
EN	European Standard
EUH	supplemental hazard statement of the european union
GefStoffV	Gefahrstoffverordnung (Hazardous Substances Ordinance)
GHS / SGH	Globally Harmonised System
H-Sätze	hazard statements
IATA-DGR	International Air Transport Association-Dangerous Goods Regulations
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization-Technical Instructions
IMDG-Code	International Maritime Dangerous Goods Code
ISO	International Organization for Standardization
LC50 / CL50	Lethal Concentration 50%
LD50 / DL50	Lethal Dose 50%
log P O/W	Partition coefficient n-octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (marine pollution)
NOAEL (DSET)	No observed adverse effect level
NOEC (CSEO)	No observed effect concentration
Nr.	Number
OECD	Organisation for Economic Co-operation and Development
PBT	persistent, bioaccumulative and toxic
pH	Potentia hydrogenii
PIC	prior informed consent
PNEC	Predicted No-Effect Concentration
POP	Persistent organic pollutants
P-Sätze	precautionary statements
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Carriage of Dangerous Goods by Rail
STEL / LECT	short-term exposure limit
TRGS	Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances)
TWA / MPT	time-weighted average
UN/ONU	United Nations
VOC/COV/VOS/LZO	Volatile Organic Compound
VOCV	Ordinance on the Incentive Tax on Volatile Organic Compounds (SR 814.018)
vPvB	very persistent and very bioaccumulative

WGK	Wassergefährdungsklasse (Water hazard class)

For abbreviations and acronyms, see table at http://abbrev.esdscom.eu. For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

16.3 Key literature references and sources for data

Regulation (EC) No 1272/2008 (GHS)
ECHA: Registered substances (https://echa.europa.eu/information-on-chemicals/registered-substances)
REACH Art. 59: -Candidate List of substances of very high concern for Authorisation (https://www.echa.europa.eu/candidate-list-table)

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

Hazard statements for physical hazards : On basis of test data.
Hazard statements for health hazards : Calculation method.
Hazard statements for environmental hazards : Calculation method.

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

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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.