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

1.1 Product identifier
Lithofin Anti-Slip

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses
Mixture Washing and cleaning products, containing hydrofluoric acid/fluorid

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]
Skin Corr. 1B ; H314 - Skin corrosion/irritation : Category 1B ; Causes severe skin burns and eye damage.
Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious 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-statements: see section 16.

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms
Trade name : Lithofin Anti-Slip
Revision date : 21.02.2020
Print date : 02.04.2020
Version (Revision) : 5.0.0 (4.0.2)

Corrosion (GHS05)

Signal word
Danger

Hazard components for labelling
AMMONIUM BIFLUORIDE ; CAS No. : 1341-49-7

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/container in accordance with local and national regulations.

2.3 Other hazards
None

2.4 Additional information
see section 12.5

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients
AMMONIUM BIFLUORIDE ; REACH No. : 01-2119489180-38-xxxx ; EC No. : 215-676-4; CAS No. : 1341-49-7
Weight fraction : ≥ 1 - < 5 %
Classification 1272/2008 [CLP] : Acute Tox. 3 ; H301 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318
AMMONIUM FLUORIDE ; EC No. : 235-185-9; CAS No. : 12125-01-8
Weight fraction : < 0,5 %
Classification 1272/2008 [CLP] : Acute Tox. 3 ; H301 Acute Tox. 3 ; H311 Acute Tox. 3 ; H331

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
All ingredients of this mixture are (pre)registered according to REACH regulation.
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 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. Wash immediately with: Ca-Gluconate solution. Immediately remove any contaminated clothing, shoes or stockings. Do not wash with: Cleaning agent, acidic Cleaning agent, alkaline Solvent/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
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
Water spray jet ABC-powder Foam

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) Hydrogen fluoride

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

Other information
Clear spills immediately.
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**
The product is not: Flammable Usual measures for fire prevention.

Fire class : -
Shake well before use No

**Advises 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) : 8B
- Recommended storage temperature : 5 - 25 °C
- Protect from frost : No

**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**
AMMONIUM BIFLUORIDE ; CAS No. : 1341-49-7

<table>
<thead>
<tr>
<th>Limit value type (country of origin)</th>
<th>TRGS 900 ( D )</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parameter : E: inhalable fraction</td>
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</tr>
<tr>
<td>Limit value : 1 mg/m³</td>
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<tr>
<td>Peak limitation : 2(II)</td>
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<tr>
<td>Version : 29.03.2019</td>
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</table>

<table>
<thead>
<tr>
<th>Limit value type (country of origin)</th>
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</thead>
<tbody>
<tr>
<td>Parameter : Fluoride / Urine (U) / End of exposure or end of shift</td>
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</tr>
<tr>
<td>Limit value : 7 mg/g Kr</td>
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</tr>
<tr>
<td>Version : 29.03.2019</td>
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<table>
<thead>
<tr>
<th>Limit value type (country of origin)</th>
<th>TRGS 903 ( D )</th>
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</thead>
<tbody>
<tr>
<td>Parameter : Fluoride / Urine (U) / Before next shift</td>
<td></td>
</tr>
<tr>
<td>Limit value : 4 mg/g Kr</td>
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<tr>
<td>Version : 29.03.2019</td>
<td></td>
</tr>
</tbody>
</table>
Limit value type (country of origin) : TWA (EC)
Limit value : 2,5 mg/m³
Version : 20.06.2019

AMMONIUM FLUORIDE ; CAS No. : 12125-01-8
Limit value type (country of origin) : TRGS 900 (D)
Parameter : E: inhalable fraction
Limit value : 2,5 mg/m³
Peak limitation : 2(II)
Version : 29.03.2019

Limit value type (country of origin) : TRGS 903 (D)
Parameter : Fluoride / Urine (U) / End of exposure or end of shift
Limit value : 7 mg/g Kr
Version : 29.03.2019

Limit value type (country of origin) : TRGS 903 (D)
Parameter : Fluoride / Urine (U) / Before next shift
Limit value : 4 mg/g Kr
Version : 29.03.2019

Limit value type (country of origin) : TWA (EC)
Limit value : 2,5 mg/m³
Version : 20.06.2019

DNEL-/PNEC-values

DNEL/DMEL
AMMONIUM BIFLUORIDE ; CAS No. : 1341-49-7
Limit value type : DNEL Consumer (systemic)
Exposure route : Oral
Exposure frequency : Short-term
Limit value : 0,015 mg/kg

Limit value type : DNEL Consumer (systemic)
Exposure route : Oral
Exposure frequency : Long-term
Limit value : 0,015 mg/kg/d

Limit value type : DNEL Consumer (systemic)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 0,045 mg/m³

Limit value type : DNEL worker (local)
Exposure route : Inhalation
Exposure frequency : Short-term
Limit value : 3,8 mg/m³

Limit value type : DNEL worker (systemic)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 2,3 mg/m³

PNEC
AMMONIUM BIFLUORIDE ; CAS No. : 1341-49-7
Limit value type : PNEC (Aquatic, freshwater)
Limit value : 1,3 mg/l

Limit value type : PNEC (Soil)
Limit value : 22 mg/kg

Limit value type : PNEC (Sewage treatment plant)
Limit value : 76 mg/l

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: NBR (Nitrile rubber), 0,4mm, >8h; Butyl caoutchouc, 0,5mm, >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. Barrier creams are not substitutes for body protection.

Body protection
Protective clothing.
Suitable protective clothing: Chemical protection clothing Chemical resistant safety shoes
Required properties: acid-resistant.
Protective clothing: DIN EN 13034 DIN EN 14605
Chemical resistant safety shoes: DIN EN ISO 20345
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 information
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. 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: light red
Odour: odourless
Safety characteristics
Melting point/freezing point: (1013 hPa) -3 °C
Initial boiling point and boiling range: (1013 hPa) approx. 100 °C
Decomposition temperature: (1013 hPa) not determined
Flash point: not applicable
Auto-ignition temperature: not determined
Sustaining combustion: No
Lower explosion limit: not determined
**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

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 toxicity**

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

**Acute oral toxicity**

Parameter : LD50 (AMMONIUM BIFLUORIDE ; CAS No. : 1341-49-7)  
Exposure route : Oral  
Species : Rat  
Effective dose : 130 mg/kg  
Method : OECD 401

**Acute inhalation toxicity**

Parameter : LC50 (AMMONIUM BIFLUORIDE ; CAS No. : 1341-49-7)  
Exposure route : Inhalation  
Species : Mouse  
Effective dose : 342 mg/l  
Exposure time : 1 h

(* 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

None
Specific effects (Longterm animal experiment)
There are no data available on the preparation/mixture itself.

Corrosion
Causes severe skin burns and eye damage.

Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.

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
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.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity
Based on available data, the classification criteria are not met.

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

12.2 Persistence and degradability
There are no data available on the preparation/mixture itself.

Biodegradation
The surfactants contained in this mixture comply 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 of waste according to applicable legislation.
Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.


Before intended use
Waste codes/waste designations according to EWC/AVV
Waste code (EWC/AVV) : 16 03 03* (inorganic wastes containing hazardous substances)

After intended use
Do not allow to enter into surface water or drains. Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of. Delivery to an approved waste disposal company.

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

**Waste codes/waste designations according to EWC/AVV**
Waste code packaging: 15 01 10*

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

<table>
<thead>
<tr>
<th>Mode of transport</th>
<th>Class(es)</th>
<th>EmS-No.</th>
<th>Special provisions</th>
<th>Hazard label(s)</th>
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<tbody>
<tr>
<td>Land transport (ADR/RID)</td>
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<td>F-A / S-B</td>
<td>IMDG-Code segregation group 1 - Acids</td>
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<tr>
<td>Sea transport (IMDG)</td>
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<td></td>
<td>8</td>
</tr>
<tr>
<td>Air transport (ICAO-TI / IATA-DGR)</td>
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</table>

14.3 Transport hazard class(es)

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<th>Mode of transport</th>
<th>Class(es)</th>
<th>Classification code</th>
<th>Hazard identification number (Kemler No.)</th>
<th>Tunnel restriction code</th>
<th>Special provisions</th>
<th>Hazard label(s)</th>
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<td>Sea transport (IMDG)</td>
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<td></td>
</tr>
<tr>
<td>Air transport (ICAO-TI / IATA-DGR)</td>
<td>8</td>
<td></td>
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</tr>
</tbody>
</table>

14.4 Packing group
II

14.5 Environmental hazards

<table>
<thead>
<tr>
<th>Mode of transport</th>
<th>Class(es)</th>
<th>Special provisions</th>
<th>Hazard label(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land transport (ADR/RID)</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sea transport (IMDG)</td>
<td>No</td>
<td></td>
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<tr>
<td>Air transport (ICAO-TI / IATA-DGR)</td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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
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. : 3, 65
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)
REGULATION (EU) No 64/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the export and import of hazardous chemicals [PIC-Regulation]: Not listed.
REGULATION (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer
Not listed.
Contains the following substances that deplete the ozone layer: -
REGULATION (EC) No 850/2004 [POP-Regulation]
Not listed.
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)
Classification according to AwSV - Class : 1 (Slightly hazardous to water)

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

15.3 Additional information
SECTION 16: Other information

16.1 Indication of changes
02. Classification of the substance or mixture - Additional information · 03. Hazardous ingredients · 03. This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH · 07. Hints on joint storage - Storage class · 08. Occupational exposure limit values · 11. Acute toxicity · 11. Corrosion · 11. Respiratory or skin sensitisation · 11. Carcinogenicity · 11. Germ cell mutagenicity · 11. Reproductive toxicity · 11. STOT-single exposure · 11. STOT-repeated exposure · 11. Aspiration hazard · 12. Aquatic toxicity · 15. Restrictions on use · 15. Technische Anleitung Luft (TA-Luft) · 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC-Pulver</td>
<td>Extinguishing powder for fire class A, B and C</td>
</tr>
<tr>
<td>ABEK-P1</td>
<td>combination filter</td>
</tr>
<tr>
<td>ADR</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>AVV</td>
<td>Abfallverzeichnis-Verordnung (Waste Regulation)</td>
</tr>
<tr>
<td>AWSV</td>
<td>Ordonnance on facilities for the handling of substances hazardous to water</td>
</tr>
<tr>
<td>BGR</td>
<td>BG rules and regulations</td>
</tr>
<tr>
<td>ca.</td>
<td>circa</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>CLP</td>
<td>classification, labelling and packaging</td>
</tr>
<tr>
<td>CMR</td>
<td>Carcinogen, mutagen or toxic for reproduction</td>
</tr>
<tr>
<td>DIN</td>
<td>German Institute for Standardization</td>
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<td>DNEL</td>
<td>Derived No-Effect Level</td>
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<td>EAK/EWC/EAC/CWR/CER</td>
<td>European Waste Catalogue</td>
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<tr>
<td>EC50 / CE50</td>
<td>Effective Concentration 50%</td>
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<td>EG / EC / CE</td>
<td>European Community</td>
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<tr>
<td>EN</td>
<td>European Standard</td>
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<td>EUH</td>
<td>supplemental hazard statement of the european union</td>
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<tr>
<td>GefStoffV</td>
<td>Gefahrstoffverordnung (Hazardous Substances Ordinance)</td>
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<td>GHS / SGH</td>
<td>Globally Harmonised System</td>
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<tr>
<td>H-Sätze</td>
<td>hazard statements</td>
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<tr>
<td>IATA-DGR</td>
<td>International Air Transport Association-Dangerous Goods Regulations</td>
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<tr>
<td>IBC-Code</td>
<td>International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk</td>
</tr>
<tr>
<td>ICAO-TI</td>
<td>International Civil Aviation Organization-Technical Instructions</td>
</tr>
<tr>
<td>IMDG-Code</td>
<td>International Maritime Dangerous Goods Code</td>
</tr>
<tr>
<td>ISO</td>
<td>International Organization for Standardization</td>
</tr>
<tr>
<td>LC50 / CL50</td>
<td>Lethal Concentration 50%</td>
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<tr>
<td>LD50 / DL50</td>
<td>Lethal Dose 50%</td>
</tr>
<tr>
<td>log P O/W</td>
<td>Partition coefficient n-octanol/water</td>
</tr>
<tr>
<td>MARPOL</td>
<td>International Convention for the Prevention of Pollution from Ships (marine pollution)</td>
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<tr>
<td>NOAEL (DSET)</td>
<td>No observed adverse effect level</td>
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<tr>
<td>NOEC (CSEO)</td>
<td>No observed effect concentration</td>
</tr>
<tr>
<td>Nr.</td>
<td>Number</td>
</tr>
<tr>
<td>OECD</td>
<td>Organisation for Economic Co-operation and Development</td>
</tr>
<tr>
<td>PBT</td>
<td>persistent, bioaccumulative and toxic</td>
</tr>
<tr>
<td>pH</td>
<td>Potentia hydrogenii</td>
</tr>
</tbody>
</table>
Trade name: Lithofin Anti-Slip

Revision date: 21.02.2020
Print date: 02.04.2020
Version (Revision): 5.0.0 (4.0.2)

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/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
REACH Article 59: Candidate List of substances of very high concern for Authorisation (https://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)

H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H331: Toxic if inhaled.

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.