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

1.1 Product identifier
Lithofin MN Stain-Stop

1.2 Relevant identified uses of the substance or mixture and uses advised against
No information available.

1.3 Supplier (manufacturer/importer/only representative/downstream user/distributor)
Distributor:
GranQuartz
Street:
4963 South Royal Atlanta Drive
Postal code/city:
USA   Tucker, GA 30084
Telephone:
+1 770 621-9777
Telefax:
+1 770 621-9771
Contact:
Technical Department
E-mail: admin@granquartz.com

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

1.4 Emergency telephone number
see section 1.3

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Directive 67/548/EEC or 1999/45/EC
Flammable. · Harmful: may cause lung damage if swallowed.
R 10 · Xn ; R 65 · R 67 · R 66

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.
Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.
STOT SE 3 ; H336 - Specific target organ toxicity (single exposure) : Category 3 ; May cause drowsiness or dizziness.

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

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

2.2 Label elements
Labelling (67/548/EEC or 1999/45/EC)
Hazard symbols and hazard statements of dangerous substances and preparations

R-phrases
10   Flammable.
65   Harmful: may cause lung damage if swallowed.
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : Lithofin MN Stain-Stop

Revision date : 20.02.2015
Print date : 05.03.2015

67 Vapours may cause drowsiness and dizziness.
66 Repeated exposure may cause skin dryness or cracking.

S-phrases
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
35 This material and its container must be disposed of in a safe way.
51 Use only in well-ventilated areas.
24 Avoid contact with skin.

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, < 0,1 % benzene ; CAS No. : (64742-48-9)

Hazard statements
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.

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 to ....

Supplemental Hazard information (EU)
EUH066 Repeated exposure may cause skin dryness or cracking.

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
Description
Impregnation

Hazardous ingredients
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, < 0,1 % benzene ; REACH registration No. : 01-2119463258-38-xxxx ; EC No. : 919-857-5; CAS No. : (64742-48-9)

Weight fraction : 80 - 85 %
Classification 67/548/EEC : R10 Xn ; R65 R67 R66
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H336
(2-METHOXYMETHYLETHOXY)PROPANOL ; REACH registration No. : 01-2119450011-60-xxxx ; EC No. : 252-104-2; CAS No. : 34590-94-8

Weight fraction : 1 - 5 %
Classification 67/548/EEC : Substance with a common (EC) occupational exposure limit value.
Classification 1272/2008 [CLP] : Substance with a common (EC) occupational exposure limit value.

N-BUTYL ACETATE ; REACH registration No. : 01-2119485493-29-xxxx ; EC No. : 204-658-1; CAS No. : 123-86-4
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. Observe risk of aspiration if vomiting occurs.

In case of inhalation
Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. 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
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) Hydrogen fluoride Fluoropolymers

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.
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

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

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 (see chapter 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
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 before use : nein

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) : 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, < 0.1 % benzene ; CAS No. : (64742-48-9)
Limit value type (country of origin) : TRGS 900 ( D )
Limit value : 600 mg/m³
Version :

(2-METHOXYMETHYLETHOXY)PROpanol ; CAS No. : 34590-94-8
Limit value type (country of origin) : TRGS 900 ( D )
Limit value : 50 ppm / 310 mg/m³
Peak limitation : 1(I)
Version : 01.09.2012

N-BUTYL ACETATE ; CAS No. : 123-86-4
Limit value type (country of origin) : TRGS 900 ( D )
Limit value : 62 ppm / 300 mg/m³
DNEL/DMEL and PNEC values

<table>
<thead>
<tr>
<th>Substance Description</th>
<th>Limit Value</th>
<th>Limit Value Type</th>
<th>Exposure Route</th>
<th>Limit Value Type</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2-METHOXYMETHYLETHOXY)PROPANOL; CAS No.: 34590-94-8</td>
<td>15 mg/kg/d</td>
<td>DNEL/DMEL (Consumer, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Consumer, Systemic)</td>
<td>102.3 mg/m³</td>
</tr>
<tr>
<td>(N-BUTYL ACETATE; CAS No.: 123-86-4)</td>
<td>300 mg/kg/d</td>
<td>DNEL/DMEL (Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Systemic)</td>
<td>310 mg/m³</td>
</tr>
<tr>
<td>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics, &lt; 0.1 % benzene; CAS No.: (64742-48-9)</td>
<td>300 mg/kg/d</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>65 mg/kg/d</td>
</tr>
<tr>
<td>(2-METHOXYMETHYLETHOXY)PROPANOL; CAS No.: 34590-94-8</td>
<td>37.2 mg/m³</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>690 mg/m³</td>
</tr>
<tr>
<td>(N-BUTYL ACETATE; CAS No.: 123-86-4)</td>
<td>102.3 mg/m³</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>280 mg/m³</td>
</tr>
<tr>
<td>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics, &lt; 0.1 % benzene; CAS No.: (64742-48-9)</td>
<td>300 mg/kg/d</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>280 mg/m³</td>
</tr>
<tr>
<td>(2-METHOXYMETHYLETHOXY)PROPANOL; CAS No.: 34590-94-8</td>
<td>310 mg/m³</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>859.7 mg/m³</td>
</tr>
<tr>
<td>(N-BUTYL ACETATE; CAS No.: 123-86-4)</td>
<td>300 mg/kg/d</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>960 mg/m³</td>
</tr>
<tr>
<td>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics, &lt; 0.1 % benzene; CAS No.: (64742-48-9)</td>
<td>300 mg/kg/d</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>300 mg/kg/d</td>
</tr>
<tr>
<td>(2-METHOXYMETHYLETHOXY)PROPANOL; CAS No.: 34590-94-8</td>
<td>300 mg/kg/d</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>300 mg/kg/d</td>
</tr>
<tr>
<td>(N-BUTYL ACETATE; CAS No.: 123-86-4)</td>
<td>102.3 mg/m³</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>102.3 mg/m³</td>
</tr>
<tr>
<td>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics, &lt; 0.1 % benzene; CAS No.: (64742-48-9)</td>
<td>300 mg/kg/d</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>300 mg/kg/d</td>
</tr>
<tr>
<td>(2-METHOXYMETHYLETHOXY)PROPANOL; CAS No.: 34590-94-8</td>
<td>310 mg/m³</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>310 mg/m³</td>
</tr>
<tr>
<td>(N-BUTYL ACETATE; CAS No.: 123-86-4)</td>
<td>300 mg/kg/d</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>300 mg/kg/d</td>
</tr>
<tr>
<td>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics, &lt; 0.1 % benzene; CAS No.: (64742-48-9)</td>
<td>300 mg/kg/d</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>Dermal</td>
<td>DNEL/DMEL (Worker, Systemic)</td>
<td>300 mg/kg/d</td>
</tr>
</tbody>
</table>
Limit value : 1500 mg/m³

PNEC

Limit value type : PNEC aquatic, freshwater (N-BUTYL ACETATE ; CAS No. : 123-86-4 )
Limit value : 0,18 mg/l

Limit value type : PNEC aquatic, freshwater ((2-METHOXYMETHYLETHOXY)PROCANOL ; CAS No. : 34590-94-8 )
Limit value : 19 mg/l

Limit value type : PNEC aquatic, intermittent release (N-BUTYL ACETATE ; CAS No. : 123-86-4 )
Limit value : 0,36 mg/l

Limit value type : PNEC aquatic, marine water (N-BUTYL ACETATE ; CAS No. : 123-86-4 )
Limit value : 0,018 mg/l

Limit value type : PNEC aquatic, marine water ((2-METHOXYMETHYLETHOXY)PROCANOL ; CAS No. : 34590-94-8 )
Limit value : 190 mg/l

Limit value type : PNEC sediment, freshwater ((2-METHOXYMETHYLETHOXY)PROCANOL ; CAS No. : 34590-94-8 )
Limit value : 1,9 mg/l

Limit value type : PNEC sediment, freshwater (N-BUTYL ACETATE ; CAS No. : 123-86-4 )
Limit value : 70,2 mg/kg

Limit value type : PNEC sediment, freshwater (N-BUTYL ACETATE ; CAS No. : 123-86-4 )
Limit value : 0,981 mg/kg

Limit value type : PNEC sediment, marine water ((2-METHOXYMETHYLETHOXY)PROCANOL ; CAS No. : 34590-94-8 )
Limit value : 7,02 mg/kg

Limit value type : PNEC sediment, marine water (N-BUTYL ACETATE ; CAS No. : 123-86-4 )
Limit value : 0,0981 mg/kg

Limit value type : PNEC sewage treatment plant (STP) (N-BUTYL ACETATE ; CAS No. : 123-86-4 )
Limit value : 35,6 mg/l

Limit value type : PNEC sewage treatment plant (STP) ((2-METHOXYMETHYLETHOXY)PROCANOL ; CAS No. : 34590-94-8 )
Limit value : 4168 mg/l

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.

Suitable protective clothing : Chemical protection clothing Chemical resistant safety shoes

Required properties : antistatic.

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 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 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>light yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>solvent</td>
</tr>
<tr>
<td>Freezing point</td>
<td>(1013 hPa) &lt; -13 °C</td>
</tr>
<tr>
<td>Boiling temperature/boiling range</td>
<td>(1013 hPa) ca. 152 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>(1013 hPa) &lt; not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>ca. 32 °C closed cup</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Sustaining combustion</td>
<td>Yes</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>not determined</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>(50 °C) &lt; 3000 hPa</td>
</tr>
<tr>
<td>Density</td>
<td>(20 °C) 0.8 g/cm³ Pyknometer</td>
</tr>
<tr>
<td>Solvent separation test</td>
<td>(20 °C) &lt; 3 %</td>
</tr>
<tr>
<td>Water solubility</td>
<td>hydrolysed not applicable</td>
</tr>
<tr>
<td>pH value</td>
<td>not determined</td>
</tr>
<tr>
<td>log P O/W</td>
<td>not determined</td>
</tr>
<tr>
<td>Flow time</td>
<td>(23 °C) &lt; 15 s ISO cup 4 mm</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapourisation rate</td>
<td>not determined</td>
</tr>
<tr>
<td>VOC-FR</td>
<td>A+</td>
</tr>
</tbody>
</table>

#### 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
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
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**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 (N-BUTYL ACETATE; CAS No.): 123-86-4</td>
<td>Oral Rat</td>
</tr>
</tbody>
</table>
Effective dose : 16760 mg/kg
Method : OECD 423
Parameter : LD50 (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8
Exposure route : Oral
Species : Rat
Effective dose : 5135 mg/kg
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg
Parameter : LD50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, < 0,1 % benzene ; CAS No. : (64742-48-9))
Exposure route : Oral
Species : Rat
Effective dose : > 13000 - 14000 mg/kg

Exposure route : Dermal
Species : Rabbit
Effective dose : > 14112 mg/kg
Method : OECD 402
Exposure route : Dermal
Species : Rabbit
Effective dose : > 3160 mg/kg
Parameter : LD50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, < 0,1 % benzene ; CAS No. : (64742-48-9))
Exposure route : Dermal
Species : Rabbit
Effective dose : > 5000 mg/kg
Parameter : LD50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 14000 mg/kg
Method : OECD 403
Parameter : LC50 (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8)
Exposure route : Inhalation
Species : Rat
Effective dose : > 500 mg/l
Exposure time : 7 h
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
Exposure route : Inhalation
Species : Rat
Effective dose : > 5000 mg/m³

Specific symptoms in animal studies
No data available

Irritant and corrosive effects

Assessment/classification
Repeated exposure may cause skin dryness or cracking.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity
No indication of human carcinogenicity.

Germ cell mutagenicity/Genotoxicity

In vivo mutagenicity

Other information
No experimental indications of in vivo mutagenicity 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

Acute (short-term) fish toxicity
Parameter: LC50 (N-BUTYL ACETATE; CAS No.: 123-86-4)
Species: Fish
Effective dose: 18 mg/l
Exposure time: 96 h
Method: OECD 203
Parameter: LC50 ((2-METHOXYMETHYLETHOXY)PROPANOL; CAS No.: 34590-94-8)
Species: Fish
Effective dose: > 10000 mg/l
Exposure time: 96 h
Parameter: LC50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, < 0,1 % benzene; CAS No.: (64742-48-9))
Species: Fish
Effective dose: > 100 mg/l

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

Acute (short-term) daphnia toxicity
Parameter: EC50 (N-BUTYL ACETATE; CAS No.: 123-86-4)
Species: Daphnia
Effective dose: 44 mg/l
Exposure time: 48 h
Parameter: EC50 ((2-METHOXYMETHYLETHOXY)PROPANOL; CAS No.: 34590-94-8)
Species: Daphnia
Effective dose: 1919 mg/l
Exposure time: 48 h
Parameter: EC50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, < 0,1 % benzene; CAS No.: (64742-48-9))
Species: Daphnia
Effective dose: > 100 mg/l

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

Acute (short-term) algae toxicity
Parameter: IC50 (N-BUTYL ACETATE; CAS No.: 123-86-4)
Species: Algae
Effective dose: 648 mg/l
Exposure time: 72 h
Parameter: IC50 ((2-METHOXYMETHYLETHOXY)PROPANOL; CAS No.: 34590-94-8)
Species: Algae
Effective dose: > 989 mg/l
Exposure time: 72 h
Parameter: IC50 (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, < 0,1 % benzene; CAS No.: (64742-48-9))
Species: Algae
Effective dose: > 100 mg/l

Effects in sewage plants
Observe local regulations concerning effluent treatment.

12.2 Persistence and degradability
No data available

Biodegradation
No data available

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 Further ecological 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 01 04*
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 : 640E · LQ 5 l · E 1
Hazard label(s) :

Sea transport (IMDG)
Class(es) :
EmS-No. :
Special provisions :
Hazard label(s) :
Air transport (ICAO-TI / IATA-DGR)
Class(es) : 3
Special provisions : E 1
Hazard label(s) : 3

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
National regulations
Observe in addition any national regulations!
Water hazard class (WGK)
Class : 1 (Slightly hazardous to water)  Classification according to VvVvS
Other regulations, restrictions and prohibition regulations
VOCV-Regulation (CH)
Maximum VOC content (Switzerland) : 85.2 Wt %  according to VOCV

15.2 Chemical Safety Assessment
No information available.

SECTION 16: Other information

16.1 Indication of changes
None
16.2 Abbreviations and acronyms
None
16.3 Key literature references and sources for data
None
16.4 Relevant R-, H- and EUH-phrases (Number and full text)
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

16.5 Training advice
None
16.6 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.