

Page 1 of 15
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 19.02.2013 / 0008
Replaces revision of / Version: 13.02.2012 / 0007
Valid from: 19.02.2013
PDF print date: 27.02.2013
Gewebe-Imprägnierung 400ML Art.: 1594

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Gewebe-Imprägnierung 400ML
Art.: 1594

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

Sector of use [SU]:

SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 - Consumer uses: Private households (=general public = consumers)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Chemical product category [PC]:

PC34 - Textiles dyes, finishing and impregnating products, including bleaches and other processing aids

Process category [PROC]:

PROC 1 - Use in closed process, no likelihood of exposure.

PROC 2 - Use in closed, continuous process with occasional controlled exposure

PROC 3 - Use in closed batch process (synthesis or formulation)

PROC 7 - Industrial spraying

PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PROC11 - Non industrial spraying

Article Categories [AC]:

AC99 - Not required.

Environmental Release Category [ERC]:

ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles

ERC 7 - Industrial use of substances in closed systems

ERC 8a - Wide dispersive indoor use of processing aids in open systems

ERC 8d - Wide dispersive outdoor use of processing aids in open systems

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH, Jerg-Wieland-Straße 4, D-89081 Ulm-Lehr

Telephone (+49) 0731-1420-0, Fax (+49) 0731-1420-88

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

1.4 Emergency telephone

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

Tel.: (+49) 0731-1420-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

Not determined

2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments)

Page 2 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

F+, Extremely flammable
 R66
 R67
 Xi, Irritant, R36
 N, Dangerous for the environment, R51-53
 Xn, Harmful, R65

2.2 Label elements

2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)

Not determined

2.2.2 Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments)

Symbols: F+/Xi/N

Indications of danger: Extremely flammable
Irritant

Dangerous for the environment

R-phrases:

36 Irritating to eyes.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

S-phrases:

23 Do not breathe vapour/spray.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Additions:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Keep away from sources of ignition - No smoking.

Keep out of the reach of children.

Without adequate ventilation, formation of explosive mixtures may be possible.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

Danger of bursting (explosion) when heated

When using: development of explosive vapour/air mixture possible.



REGULATION (EC) No 648/2004

n.a.

SECTION 3: Composition/information on ingredients

Aerosol

3.1 Substance

n.a.

3.2 Mixture

Acetone	Substance for which an EU exposure limit value applies.
Registration number (REACH)	--
Index	606-001-00-8
EINECS, ELINCS, NLP	200-662-2

Page 3 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

CAS	CAS 67-64-1
content %	30-50
Classification according to Directive 67/548/EEC	Highly flammable, F, R11 Irritant, Xi, R36 R66 R67
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Hydrocarbons, C8-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
Registration number (REACH)	01-2119484809-19-XXXX
Index	---
EINECS, ELINCS, NLP	928-136-4 (REACH-IT List-No.)
CAS	(64742-82-1)
content %	20-30
Classification according to Directive 67/548/EEC	Flammable, R10 Dangerous for the environment, N, R51-53 Harmful, Xn, R65 R66 R67
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411

Naphtha (petroleum), hydrotreated light	
Registration number (REACH)	--
Index	649-328-00-1
EINECS, ELINCS, NLP	265-151-9
CAS	CAS 64742-49-0
content %	1-10
Classification according to Directive 67/548/EEC	Highly flammable, F, R11 Irritant, Xi, R38 Dangerous for the environment, N, R51 Dangerous for the environment, R53 Harmful, Xn, R65 R67
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Aquatic Chronic 2, H411 Asp. Tox. 1, H304 STOT SE 3, H336

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Remove person from danger area.
 Supply person with fresh air and consult doctor according to symptoms.
 Respiratory arrest - Artificial respiration apparatus necessary.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
 Keep Data Sheet available.

Ingestion

Call doctor immediately - have Data Sheet available.

Page 4 of 15
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 19.02.2013 / 0008
Replaces revision of / Version: 13.02.2012 / 0007
Valid from: 19.02.2013
PDF print date: 27.02.2013
Gewebe-Imprägnierung 400ML Art.: 1594

Do not induce vomiting.
Danger of aspiration

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

The following may occur:

Irritation of the respiratory tract

Coughing

Headaches

Nausea

Effects/damages the central nervous system

Narcotic effect.

With long-term contact:

Dermatitis (skin inflammation)

Product removes fat.

Other dangerous properties cannot be ruled out.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

CO₂

Extinction powder

Cool container at risk with water.

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Hydrocarbons

Toxic pyrolysis products.

Danger of explosion by prolonged heating.

Explosive vapour/air mixture

In case of spreading near the ground, flashback to distance sources of ignition is possible.

5.3 Advice for firefighters

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

6.2 Environmental precautions

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.

6.3 Methods and material for containment and cleaning up

If spray or gas escapes, ensure ample fresh air is available.

Active substance:

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.

Only from a specialist.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

GB

Page 5 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.
 Keep away from sources of ignition - Do not smoke.
 Take measures against electrostatic charging, if appropriate.
 Do not use on hot surfaces.
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
 Observe directions on label and instructions for use.
 Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.
 Not to be stored in gangways or stair wells.
 Store product closed and only in original packing.
 Observe special regulations for aerosols!
 Do not store with oxidizing agents.
 Keep protected from direct sunlight and temperatures over 50°C.
 Store in a well ventilated place.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40):
 800 mg/m³

Chemical Name	Acetone	Content %:	30-50
WEL-TWA:	500 ppm (1210 mg/m ³) (WEL, EU)	WEL-STEL:	1500 ppm (3620 mg/m ³) (WEL)
BMGV:	---	Other information:	---
Chemical Name	Hydrocarbons, C8-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Content %:	20-30
WEL-TWA:	800 mg/m ³	WEL-STEL:	---
BMGV:	---	Other information:	(WEL acc. to RCP-method, EH40)
Chemical Name	Naphtha (petroleum), hydrotreated light	Content %:	1-10
WEL-TWA:	800 mg/m ³	WEL-STEL:	---
BMGV:	---	Other information:	(WEL acc. to RCP-method, EH40)
Chemical Name	Propane	Content %:	---
WEL-TWA:	1000 ppm (ACGIH)	WEL-STEL:	---
BMGV:	---	Other information:	---
Chemical Name	Butane	Content %:	---
WEL-TWA:	600 ppm (1450 mg/m ³)	WEL-STEL:	750 ppm (1810 mg/m ³)
BMGV:	---	Other information:	---
Chemical Name	Isobutane	Content %:	---
WEL-TWA:	1000 ppm (ACGIH)	WEL-STEL:	---
BMGV:	---	Other information:	---

GB

Page 6 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

GB WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
 ** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Acetone						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term	DNEL	186	mg/kg bw/day	
Workers / employees	Human - inhalation	Short term	DNEL	2420	mg/m ³	
Workers / employees	Human - inhalation	Long term	DNEL	1210	mg/m ³	
Consumer	Human - oral	Long term	DNEL	62	mg/kg bw/day	
Consumer	Human - dermal	Long term	DNEL	62	mg/kg bw/day	
Consumer	Human - inhalation	Long term	DNEL	200	mg/m ³	
	Environment - marine		PNEC	1,06	mg/l	
	Environment - freshwater		PNEC	10,6	mg/l	
	Environment - sediment, freshwater		PNEC	30,4	mg/l	
	Environment - sediment, marine		PNEC	3,04	mg/l	
	Environment - soil		PNEC	0,112	mg/l	
	Environment - sewage treatment plant		PNEC	19,5	mg/l	

Hydrocarbons, C8-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	330	mg/m ³	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	44	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	71	mg/m ³	
Consumer	Human - dermal	Long term, systemic effects	DNEL	26	mg/kg bw/d	
Consumer	Human - oral	Long term, systemic effects	DNEL	26	mg/kg bw/d	

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
 Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
 Tight fitting protective goggles with side protection (EN 166).

Page 7 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

Skin protection - Hand protection:
 Protective gloves in butyl rubber (EN 374).
 Permeation time (penetration time) in minutes:
 > 240 (Level 5)
 Protective hand cream recommended.

Skin protection - Other:
 Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)
 Boots (EN ISO 20347)
 PVC

Respiratory protection:
 Normally not necessary.
 If OES or MEL is exceeded.
 Gas mask filter A (EN 14387), code colour brown
 At high concentrations:
 Respiratory protection appliance (insulation device) (e.g. EN 137 or EN 138)

Thermal hazards:
 If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.
 In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.
 Selection of materials derived from glove manufacturer's indications.
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
 In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
 The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Aerosol, Substance: Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	-60 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	1,4 Vol-%
Upper explosive limit:	32 Vol-%
Vapour pressure:	3400 hPa
Vapour density (air = 1):	Vapours heavier than air.
Density:	0,67 g/ml
Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	510 °C (Ignition temperature)
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not determined
Oxidising properties:	No

9.2 Other information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined

Page 8 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

Conductivity: Not determined
 Surface tension: Not determined
 Solvents content: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur during storage and handling under normal conditions.

10.4 Conditions to avoid

See also section 7.

Pressure increase will result in danger of bursting.

Heating, open flame, ignition sources

10.5 Incompatible materials

See also section 7.

Avoid contact with oxidizing agents.

10.6 Hazardous decomposition products

See also section 5.2

SECTION 11: Toxicological information

Possibly more information on health effects, see Section 2.1 (classification).

Gewebe-Imprägnierung 400ML Art.: 1594

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Respiratory tract irritation:						n.d.a.
Repeated dose toxicity:						n.d.a.
Symptoms:						n.d.a.
Other information:						Classification according to calculation procedure.

Acetone

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	3000	mg/kg	Mouse		
Acute toxicity, by oral route:	LD50	5800	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	20000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	32	mg/m3	Rat		
Skin corrosion/irritation:						Slightly irritant, Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation:				Rabbit		Irritant

GB

Page 9 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

Respiratory or skin sensitisation:				Guinea pig		Not sensitising
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Carcinogenicity:						No indications of such an effect.
Symptoms:						unconsciousness, vomiting, headaches, gastrointestinal disturbances, fatigue, mucous membrane irritation, dizziness, nausea

Hydrocarbons, C8-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat		
Germ cell mutagenicity:						Negative
Aspiration hazard:						Yes
Symptoms:						dizziness, unconsciousness, vomiting, annoyance, skin affections, heart/circulatory disorders, headaches, cramps, drowsiness, dizziness

Naphtha (petroleum), hydrotreated light

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LD50	>20	mg/l/4h	Rat		
Skin corrosion/irritation:						Irritant
Serious eye damage/irritation:						Not irritant
Respiratory or skin sensitisation:						Not sensitising
Aspiration hazard:						Yes
Symptoms:						dizziness, unconsciousness, heart/circulatory disorders, headaches, cramps, drowsiness, mucous membrane irritation, dizziness, nausea and vomiting.

Propane

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Germ cell mutagenicity (bacterial):					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Symptoms:						breathing difficulties, unconsciousness, frostbite, headaches, cramps, mucous membrane irritation, dizziness, nausea and vomiting.

Page 10 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

Butane						
Toxicity/effect	Endpoint t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Symptoms:						ataxia, breathing difficulties, dizziness, unconsciousness, frostbite, disturbed heart rhythm, headaches, cramps, intoxication, dizziness, nausea and vomiting.

Isobutane						
Toxicity/effect	Endpoint t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Serious eye damage/irritation:				Rabbit		Not irritant
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Symptoms:						unconsciousness, frostbite, headaches, cramps, dizziness, nausea and vomiting.

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Gewebe-Imprägnierung 400ML Art.: 1594							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							Product is slightly volatile.
Results of PBT and vPvB assessment:							n.d.a.
Other adverse effects:							n.d.a.
Other information:							According to the recipe, contains no AOX.

Acetone							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	5540	mg/l	Oncorhynchus mykiss		
Toxicity to fish:	LC50	96h	7500	mg/l	Leuciscus idus		
Toxicity to fish:	LC50	96h	5540-8300	mg/l	Lepomis macrochirus		
Toxicity to daphnia:	EC50	48h	6100-12700	mg/l	Daphnia magna		
Toxicity to algae:	IC50	8d	7500	mg/l	Scenedesmus quadricauda		
Toxicity to algae:	EC50	96h	7500	mg/l	Selenastrum capricornutum		
Toxicity to algae:	NOEC/NOEL	48h	3400	mg/l	Pseudokirchneriella subcapitata		

Page 11 of 15
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

Persistence and degradability:		28d	91	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	
Bioaccumulative potential:	Log Pow		-0,24				
Bioaccumulative potential:	BCF		0,19				
Mobility in soil:							No adsorption in soil.
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC5	16h	1700	mg/l	<i>Pseudomonas putida</i>		
Toxicity to bacteria:	EC5	8d	530	mg/l	<i>Microcystis aeruginosa</i>		
Other information:	AOX		0	%			
Other information:	BOD5		1900	mg/g			
Other information:	COD		2100	mg/g			

Hydrocarbons, C8-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50		>1-10	mg/l			
Toxicity to daphnia:	EC50		>1-10	mg/l			
Toxicity to algae:	IC50		>1-10	mg/l			
Persistence and degradability:							Readily biodegradable
Bioaccumulative potential:	Log Pow		3,7-6,7				
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance
Water solubility:			~40	mg/l			@20°C

Naphtha (petroleum), hydrotreated light

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to daphnia:	EC50	48h	3	mg/l	<i>Daphnia magna</i>		
Persistence and degradability:							Biodegradable
Bioaccumulative potential:	Log Pow		3,4-5,2				
Mobility in soil:							Adsorption in ground., Product is slightly volatile.
Toxicity to bacteria:	EC50		1-<10	mg/l			
Water solubility:							Insoluble

Propane

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Bioaccumulative potential:	Log Pow		2,28				A notable biological accumulation potential is not to be expected (LogPow 1-3).
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance

Butane

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Bioaccumulative potential:	Log Pow		2,98				A notable biological accumulation potential is not to be expected (LogPow 1-3).
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.
 Owing to the user's specific conditions for use and disposal, other waste codes may be
 allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)
 16 05 04 gases in pressure containers (including halons) containing dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

For contaminated packing material

Pay attention to local and national official regulations

Recommendation:

Do not perforate, cut up or weld uncleaned container.

15 01 04 metallic packaging

15 01 10 packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

General statements

UN number: 1950

Transport by road/by rail (ADR/RID)

UN proper shipping name:

UN 1950 AEROSOLS

Transport hazard class(es):

2.1

Packing group:

-

Classification code:

5F

LQ (ADR 2011):

1 L

LQ (ADR 2009):

2

Environmental hazards:

environmentally hazardous

Tunnel restriction code:

D

Transport by sea (IMDG-code)

UN proper shipping name:

AEROSOLS (NAPHTHA (PETROLEUM))

Transport hazard class(es):

2.1

Packing group:

-

EmS:

F-D, S-U

Marine Pollutant:

Yes

Environmental hazards:

environmentally hazardous

Transport by air (IATA)

UN proper shipping name:

Aerosols, flammable

Transport hazard class(es):

2.1

Packing group:

-

Environmental hazards:

Not applicable

Special precautions for user

Persons employed in transporting dangerous goods must be trained.

All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

SECTION 15: Regulatory information

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.02.2013 / 0008
 Replaces revision of / Version: 13.02.2012 / 0007
 Valid from: 19.02.2013
 PDF print date: 27.02.2013
 Gewebe-Imprägnierung 400ML Art.: 1594

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

For classification and labelling see Section 2.

Observe restrictions: Yes

Comply with trade association/occupational health regulations.

Observe incident regulations.

Observe youth employment law (German regulation).

Regulation (EC) No 1907/2006, Annex XVII

VOC 1999/13/EC 98,9% w/w

VOC-CH 0,279 kg/400 ml

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

These details refer to the product as it is delivered.

Revised sections: 3, 8, 11, 12

The following phrases represent the posted R phrases / H phrases, Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

10 Flammable.

11 Highly flammable.

36 Irritating to eyes.

38 Irritating to skin.

51 Toxic to aquatic organisms.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

53 May cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Flam. Liq. — Flammable liquid

Eye Irrit. — Eye irritation

STOT SE — Specific target organ toxicity - single exposure - narcotic effects

Asp. Tox. — Aspiration hazard

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Skin Irrit. — Skin irritation

Any abbreviations and acronyms used in this document:

AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOEL Acceptable Operator Exposure Level

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)

BCF Bioconcentration factor

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

BHT	Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
BMGV	Biological monitoring guidance value (EH40, UK)
BOD	Biochemical oxygen demand
BSEF	Bromine Science and Environmental Forum
bw	body weight
CAS	Chemical Abstracts Service
CESIO	Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
CIPAC	Collaborative International Pesticides Analytical Council
CLP	Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR	carcinogenic, mutagenic, reproductive toxic
COD	Chemical oxygen demand
CTFA	Cosmetic, Toiletry, and Fragrance Association
DMEL	Derived Minimum Effect Level
DNEL	Derived No Effect Level
DOC	Dissolved organic carbon
DT50	Dwell Time - 50% reduction of start concentration
DVS	Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)
dw	dry weight
e.g.	for example (abbreviation of Latin 'exempli gratia'), for instance
EC	European Community
ECHA	European Chemicals Agency
EEA	European Economic Area
EEC	European Economic Community
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EN	European Norms
EPA	United States Environmental Protection Agency (United States of America)
ERC	Environmental Release Categories
ES	Exposure scenario
etc.	et cetera
EU	European Union
EWC	European Waste Catalogue
Fax.	Fax number
gen.	general
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GWP	Global warming potential
HET-CAM	Hen's Egg Test - Chorionallantoic Membrane
HGWP	Halocarbon Global Warming Potential
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IBC (Code)	International Bulk Chemical (Code)
IC	Inhibitory concentration
IMDG-code	International Maritime Code for Dangerous Goods
incl.	including, inclusive
IUCLID	International Uniform Chemical Information Database
LC	lethal concentration
LC50	lethal concentration 50 percent kill
LCLo	lowest published lethal concentration
LD	Lethal Dose of a chemical
LD50	Lethal Dose, 50% kill
LDLo	Lethal Dose Low
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
LQ	Limited Quantities
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.a.	not applicable
n.av.	not available
n.c.	not checked
n.d.a.	no data available
NIOSH	National Institute of Occupational Safety and Health (United States of America)
NOAEC	No Observed Adverse Effective Concentration

Page 15 of 15
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 19.02.2013 / 0008
Replaces revision of / Version: 13.02.2012 / 0007
Valid from: 19.02.2013
PDF print date: 27.02.2013
Gewebe-Imprägnierung 400ML Art.: 1594

NOAEL No Observed Adverse Effect Level
NOEC No Observed Effect Concentration
NOEL No Observed Effect Level
ODP Ozone Depletion Potential
OECD Organisation for Economic Co-operation and Development
org. organic
PAH polycyclic aromatic hydrocarbon
PBT persistent, bioaccumulative and toxic
PC Chemical product category
PE Polyethylene
PNEC Predicted No Effect Concentration
POCP Photochemical ozone creation potential
ppm parts per million
PROC Process category
PTFE Polytetrafluorethylene
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SADT Self-Accelerating Decomposition Temperature
SAR Structure Activity Relationship
SU Sector of use
SVHC Substances of Very High Concern
Tel. Telephone
ThOD Theoretical oxygen demand
TOC Total organic carbon
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).
WHO World Health Organization
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by:

Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.