

Page 1 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013

PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

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

Unterboden-Schutz schwarz 500 ML

Art.: 6113

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

Corrosion protection

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]:

PC 9a - Coastings and paints, thinners, paint removers

PC14 - Metal surface treatment products, including galvanic and electroplating products

PC24 - Lubricants, greases, release products

Process category [PROC]:

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

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

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) **Hazard statement**

Hazard class Hazard category



Œ

Page 2 of 24

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

Revised on / Version: 28.10.2013 / 0021 Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

Skin Irrit. 2 H315-Causes skin irritation.

STOT SE 3 H336-May cause drowsiness or dizziness.

Aguatic Chronic 2 H411-Toxic to aguatic life with long lasting effects.

Aerosol 1 H222-Extremely flammable aerosol.

Asp. Tox. 1 H304-May be fatal if swallowed and enters airways. Aerosol 1 H229-Pressurised container: May burst if heated.

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

F+,Extremely flammable

Xi, Irritant, R38

N, Dangerous for the environment, R51-53

R67

2.2 Label elements

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



Danger

Hazard statement

H315-Causes skin irritation. H336-May cause drowsiness or dizziness. H411-Toxic to aquatic life with long lasting effects. H222-Extremely flammable aerosol. H229-Pressurised container: May burst if heated.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children.

Prevention

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211-Do not spray on an open flame or other ignition source. P251-Do not pierce or burn, even after use. P261-Avoid breathing vapour or spray. P273-Avoid release to the environment. P280-Wear protective gloves.

Response

P312-Call a POISON CENTER/doctor if you feel unwell.

Storage

P405-Store locked up. P410+P412-Protect from sunlight. Do no expose to temperatures exceeding 50 °C.

Disposal

P501-Dispose of contents/container to hazardous or special waste collection point.

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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

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.

Hazardous to drinking water, on escape of even small quantities.

SECTION 3: Composition/information on ingredients



Page 3 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

Aerosol **3.1 Substance**

n.a. **3.2 Mixture**

Dimethyl ether	Substance for which an EU exposure limit value applies.
Registration number (REACH)	
Index	603-019-00-8
EINECS, ELINCS, NLP	204-065-8
CAS	CAS 115-10-6
content %	20-40
Classification according to Directive 67/548/EEC	Extremely flammable, F+, R12
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Gas 1, H220

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	
Registration number (REACH)	01-2119475514-35-XXXX
Index	
EINECS, ELINCS, NLP	921-024-6 (REACH-IT List-No.)
CAS	CAS
content %	10-<20
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
	Asp. Tox. 1, H304
	Skin Irrit. 2, H315
	STOT SE 3, H336
	Aquatic Chronic 2, H411

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	927-510-4 (REACH-IT List-No.)
CAS	CAS
content %	10-<20
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 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	
Registration number (REACH)	01-2119473851-33-XXXX
Index	
EINECS, ELINCS, NLP	920-750-0 (REACH-IT List-No.)
CAS	CAS
content %	1-<10
Classification according to Directive 67/548/EEC	Highly flammable, F, R11 Dangerous for the environment, N, R51 Dangerous for the environment, R53 Harmful, Xn, R65 R66 R67



Page 4 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225
	Asp. Tox. 1, H304
	STOT SE 3, H336
	Aquatic Chronic 2, H411

Butanone	Substance for which an EU exposure limit value applies.
Registration number (REACH)	
Index	606-002-00-3
EINECS, ELINCS, NLP	201-159-0
CAS	CAS 78-93-3
content %	1-5
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

Ethyl acetate	
Registration number (REACH)	
Index	607-022-00-5
EINECS, ELINCS, NLP	205-500-4
CAS	CAS 141-78-6
content %	1-<5
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

Cyclohexane	Substance for which an EU exposure limit value applies.
Registration number (REACH)	
Index	601-017-00-1
EINECS, ELINCS, NLP	203-806-2
CAS	CAS 110-82-7
content %	1-5
Classification according to Directive 67/548/EEC	Highly flammable, F, R11
	Irritant, Xi, R38
	Dangerous for the environment, N, R50
	Dangerous for the environment, R53
	Harmful, Xn, R65
	R67
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225
	Asp. Tox. 1, H304
	Skin Irrit. 2, H315
	STOT SE 3, H336
	Aquatic Acute 1, H400 (M=1)
	Aquatic Chronic 1, H410 (M=1)

Hydrocarbons, C9, aromatics	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	918-668-5 (REACH-IT List-No.)
CAS	(64742-95-6)
content %	1-5



Œ

Page 5 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

Classification according to Directive 67/548/EEC	Flammable, R10 Irritant, Xi, R37 Dangerous for the environment, N, R51 Dangerous for the environment, R53 Harmful, Xn, R65 R66 R67
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 2, H411

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.

If the person is unconscious, place in a stable side position and consult a doctor.

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

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Keep Data Sheet available.

Ingestion

Typically no exposure pathway.

Call doctor immediately - have Data Sheet available.

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

Dizziness

Effect on the central nervous system

Unconsciousness

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

Water jet spray

Large fire:

Water jet spray

Alcohol resistant foam

Cool container at risk with water.

Unsuitable extinguishing media



(GR)

Page 6 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013

PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

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 Oxides of nitrogen 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

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

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.

If accidental entry into drainage system occurs, inform responsible authorities.

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.

Do not wash away with water or watery cleaning agents.

6.4 Reference to other sections

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

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 precautions against electrostatic charges.

Do not use on hot surfaces.

Avoid long lasting or intensive contact with skin.

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.

Do not store with oxidizing agents.

Observe special regulations for aerosols!

Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").

Keep protected from direct sunlight and temperatures over 50°C.

Store in a well ventilated place.



(B)

Page 7 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

Do not keep the container sealed. **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								
(1920 mg/m3) (EU) BMGV:								Content %:20-40
® Chemical Name Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane Content %:10-<20 WEL-TWA: 800 mg/m3 WEL-STEL: BMGV: Other information: WEL-TWA: 800 mg/m3 WEL-STEL: BMGV: Other information: (WEL acc. to RCP-method, EH40) WEL-TWA: 800 mg/m3 WEL-STEL: BMGV: Other information: (WEL acc. to RCP-method, EH40) WEL-TWA: 200 mg/m3 WEL-STEL: WEL-TWA: 200 mg/m3 WEL-STEL: WEL-TWA: 200 mg/m3 (WEL, EU) WEL-STEL: 300 ppm (899 mg/m3) (WEL), 300 ppm WEL-TWA: 200 ppm (600 mg/m3) (WEL, EU) WEL-STEL: 300 ppm (899 mg/m3) (WEL), 300 ppm BMGV: 70 µmol butan-2-one/l in urine, post shift (BMGV) Other information: Sk © Chemical Name Ethyl acetate Content %:1-5 WEL-TWA: 200 ppm WEL-STEL: 400 ppm BMGV:			(WEL), 1000 ppm	WEL-STEL:	500 ppm (958 mg/	/m3) (WEL)		
WEL-TWA: 800 mg/m3 WEL-STEL: Other information: Separation WEL-STEL: Other information: WEL-TWA: 800 mg/m3 WEL-STEL: Other information: WEL-STEL: Other information: (WEL acc. to RCP-method, EH40) WEL-TWA: 1200 mg/m3 WEL-STEL: Other information: (WEL acc. to RCP-method, EH40) WEL-TWA: 1200 mg/m3 WEL-STEL: Other information: WEL-TWA: 1200 mg/m3 WEL-STEL: Other information: WEL-TWA: 1200 mg/m3 WEL-STEL: Other information: WEL-TWA: 200 ppm (600 mg/m3) (WEL, EU) WEL-STEL: 300 ppm (899 mg/m3) (WEL), 300 ppm WEL-TWA: 200 ppm (600 mg/m3) (WEL, EU) WEL-STEL: 300 ppm (899 mg/m3) (WEL), 300 ppm WEL-TWA: 200 ppm Ethyl acetate Content %:15 WEL-TWA: 200 ppm WEL-STEL: 400 ppm WEL-STEL: 300 ppm (1050 mg/m3) WEL-STEL: 300 ppm (1050 mg/m	BMGV:	, ,				Other information:	-	
WEL-TWA: 800 mg/m3 WEL-STEL: Other information: Separation WEL-STEL: Other information: WEL-TWA: 800 mg/m3 WEL-STEL: Other information: WEL-STEL: Other information: (WEL acc. to RCP-method, EH40) WEL-TWA: 1200 mg/m3 WEL-STEL: Other information: (WEL acc. to RCP-method, EH40) WEL-TWA: 1200 mg/m3 WEL-STEL: Other information: WEL-TWA: 1200 mg/m3 WEL-STEL: Other information: WEL-TWA: 1200 mg/m3 WEL-STEL: Other information: WEL-TWA: 200 ppm (600 mg/m3) (WEL, EU) WEL-STEL: 300 ppm (899 mg/m3) (WEL), 300 ppm WEL-TWA: 200 ppm (600 mg/m3) (WEL, EU) WEL-STEL: 300 ppm (899 mg/m3) (WEL), 300 ppm WEL-TWA: 200 ppm Ethyl acetate WEL-STEL: 400 ppm Other information: Sk WEL-TWA: 200 ppm WEL-STEL: 400 ppm Other information: WEL-TWA: 200 ppm (350 mg/m3) (WEL), 200 ppm WEL-STEL: 300 ppm (1050 mg/m3) WEL-STEL: 3	© Chemica	al Name	Hydrocarbons, C6-	C7, n-alkanes, i	soalkanes, cyclics,	< 5% n-hexane		Content %:10-<20
Chemical Name		800 mg/m3	,					
WEL-TWA: 800 mg/m3 WEL-STEL:	BMGV:					Other information:	-	
Other information: EH40	© Chemica	Il Name	Hydrocarbons, C7,	n-alkanes, isoa	Ikanes, cyclics			Content %:10-<20
EH40 S Chemical Name		800 mg/m3		WEL-STEL:				
WEL-TWA: 1200 mg/m3 WEL-STEL: BMGV: Other information: ® Chemical Name Butanone Content %:1-5 WEL-TWA: 200 ppm (600 mg/m3) (WEL, EU) WEL-STEL: 300 ppm (899 mg/m3) (WEL), 300 ppm BMGV: 70 μmol butan-2-one/l in urine, post shift (BMGV) Other information: Sk © Chemical Name Ethyl acetate Content %:1- WEL-TWA: 200 ppm WEL-STEL: 400 ppm BMGV: Other information: © Chemical Name Cyclohexane Content %:1-5 WEL-TWA: 100 ppm (350 mg/m3) (WEL), 200 ppm WEL-STEL: 300 ppm (1050 mg/m3) BMGV: Other information: WEL-TWA: 500 mg/m3 (Aromatics) WEL-STEL: BMGV: Other information: ® Chemical Name Talc Content %: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV:	BMGV:						VEL acc. t	o RCP-method,
Chemical Name Butanone WEL-STEL: 300 ppm (899 mg/m3) (WEL), 300 ppm (900 mg/m3) (WEL-STEL: 400 ppm (900 mg/m3) (WEL-TWA: 200 ppm (900 ppm (900 mg/m3) (WEL-STEL: 400 ppm (900 mg/m3) (WEL-TWA: 200 ppm (900 mg/m3) (WEL-STEL: 400 ppm (900 mg/m3) (WEL-TWA: 100 ppm (950 mg/m3) (WEL), 200 ppm (900 mg/m3) (WEL-STEL: 300 ppm (1050 mg/m3	© Chemica	I Name	Hydrocarbons, C7-	C9, n-alkanes, i	soalkanes, cyclics			Content %:1-<10
## Chemical Name Butanone WEL-STEL: 300 ppm (899 mg/m3) (WEL), 300 ppm WEL-STEL: 300 ppm (1050 mg/m3) WEL-STEL: 300 ppm		1200 mg/m3	•	WEL-STEL:				
WEL-TWA: 200 ppm (600 mg/m3) (WEL, EU) WEL-STEL: 300 ppm (899 mg/m3) (WEL), 300 ppm BMGV: 70 µmol butan-2-one/l in urine, post shift (BMGV) Other information: Sk Image: Standard St	BMGV:					Other information:	-	
Geomage Geom								Content %:1-5
Chemical Name	WEL-TWA:	200 ppm (600 mg/m3)	(WEL, EU)			/m3) (WEL), 300 ppm		
WEL-TWA: 200 ppm WEL-STEL: 400 ppm BMGV: Other information: © Chemical Name Cyclohexane Content %:1-5 WEL-TWA: 100 ppm (350 mg/m3) (WEL), 200 ppm (700 mg/m3) WEL-STEL: 300 ppm (1050 mg/m3) BMGV: Other information: WEL-TWA: 500 mg/m3 (Aromatics) WEL-STEL: BMGV: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: BMGV: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information:	BMGV: 70	µmol butan-2-one/l in ur	ine, post shift (BMG\	/)		Other information: S	k	
WEL-TWA: 200 ppm WEL-STEL: 400 ppm BMGV: Other information: WEL-TWA: 100 ppm (350 mg/m3) (WEL), 200 ppm (700 mg/m3) (EU) WEL-STEL: 300 ppm (1050 mg/m3) BMGV: Other information: WEL-TWA: 500 mg/m3 (Aromatics) WEL-STEL: BMGV: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: WEL-TWA: 1 200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL:	© Chemica	Il Name	Ethyl acetate					Content %:1-<5
Standard Name Cyclohexane Content %:1-5 WEL-TWA: 100 ppm (350 mg/m3) (WEL), 200 ppm (700 mg/m3) (700 mg/m3) (EU) Other information: BMGV: Other information: WEL-TWA: 500 mg/m3 (Aromatics) WEL-STEL: BMGV: Other information: Standard Name Talc Content %: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: BMGV: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: WEL-TWA: 1200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL:		200 ppm		WEL-STEL:	400 ppm			
WEL-TWA: 100 ppm (350 mg/m3) (WEL), 200 ppm (700 mg/m3) WEL-STEL: 300 ppm (1050 mg/m3) BMGV: Other information: WEL-TWA: 500 mg/m3 (Aromatics) WEL-STEL: BMGV: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: BMGV: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: WEL-TWA: 1 200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL:	BMGV:					Other information:	-	
(700 mg/m3) (EU) Other information: ® Chemical Name Hydrocarbons, C9, aromatics Content %:1-5 WEL-TWA: 500 mg/m3 (Aromatics) WEL-STEL: BMGV: Other information: ® Chemical Name Talc Content %: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: ® Chemical Name Naphtha (petroleum), hydrotreated light Content %: WEL-TWA: 1200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL:	© Chemica	Il Name	Cyclohexane					Content %:1-5
BMGV: BMGV: Content %:1-5 WEL-TWA: 500 mg/m3 (Aromatics) WEL-STEL: BMGV: Other information: Other information: WEL-TWA: 1 mg/m3 (res. dust) BMGV: Other information: WEL-STEL: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: Other information: WEL-TWA: 1200 mg/m3 (>= C7 normal and WEL-STEL: WEL-STEL: WEL-STEL: WEL-STEL: Other information:		11 \)	(WEL), 200 ppm	WEL-STEL:	300 ppm (1050 m	g/m3)		
WEL-TWA: 500 mg/m3 (Aromatics) WEL-STEL: BMGV: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: WEL-TWA: 1200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL:		,				Other information:	-	
WEL-TWA: 500 mg/m3 (Aromatics) WEL-STEL: BMGV: Other information: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: WEL-TWA: 1200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL:	(B) Chemica	I Name	Hydrocarbons, C9.	aromatics				Content %:1-5
©B Chemical Name Talc Content %: WEL-TWA: 1 mg/m3 (res. dust) WEL-STEL: BMGV: Other information: ©B Chemical Name Naphtha (petroleum), hydrotreated light Content %: WEL-TWA: 1200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL:								
WEL-TWA: 1 mg/m3 (res. dust) BMGV: Chemical Name Naphtha (petroleum), hydrotreated light WEL-TWA: 1200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL: WEL-STEL: WEL-STEL: Other information: Content %:	BMGV:	<u> </u>				Other information:	-	
WEL-TWA: 1 mg/m3 (res. dust) BMGV: Chemical Name Naphtha (petroleum), hydrotreated light WEL-TWA: 1200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL: WEL-STEL: WEL-STEL: Other information: Content %:	Chemica	nl Name	Talc					Content %:
© Chemical Name Naphtha (petroleum), hydrotreated light Content %: WEL-TWA: 1200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL:				WEL-STEL:				
WEL-TWA: 1200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL:	BMGV:	,				Other information:	_	
WEL-TWA: 1200 mg/m3 (>= C7 normal and branched chain alkanes) WEL-STEL:	Chemica	Il Name	Naphtha (petroleum	n), hydrotreated	light			Content %:
	WEL-TWA:	1200 mg/m3 (>= C7 nc						
		,				Other information:	-	

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.

Dimethyl ether



Page 8 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	1894	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	471	mg/m3	
	Environment - freshwater		PNEC	0,155	mg/l	
	Environment - sediment, freshwater		PNEC	0,681	mg/kg	
	Environment - soil		PNEC	0,045	mg/kg	
	Environment - sewage treatment plant		PNEC	160	mg/l	
	Environment - marine		PNEC	0,016	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	1,549	mg/l	
	Environment - sediment, marine		PNEC	0,069	mg/kg	

Butanone						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term	DNEL	1161	mg/kg	
Workers / employees	Human - inhalation	Long term	DNEL	600	mg/m3	
Consumer	Human - dermal	Long term	DNEL	142	mg/kg	
Consumer	Human - inhalation	Long term	DNEL	106	mg/m3	
Consumer	Human - oral	Long term	DNEL	31	mg/kg	
	Environment - freshwater		PNEC	55,8	mg/l	
	Environment - marine		PNEC	55,8	mg/l	
	Environment - sediment, freshwater		PNEC	284,74	mg/kg	
	Environment - sediment, marine		PNEC	287,7	mg/kg	
	Environment - soil		PNEC	22,5	mg/kg	

Ethyl acetate Area of application	Exposure route / Environmental	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	63	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	734	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	734	mg/m3	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	1468	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	1468	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	4,5	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	37	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	367	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	367	mg/m3	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	734	mg/m3	
Consumer	Human - inhalation	Short term, local effects	DNEL	734	mg/m3	
	Environment - freshwater		PNEC	0,26	mg/l	
	Environment - marine		PNEC	0,026	mg/l	



Page 9 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

Environment sporadic (inte release		PNEC	1,65	mg/l	
Environment freshwater	- sediment,	PNEC	1,25	mg/kg	
Environment marine	- sediment,	PNEC	0,125	mg/kg	
Environment -	- soil	PNEC	0,24	mg/kg	
Environment treatment plan		PNEC	650	mg/l	
Environment feed)	- oral (animal	PNEC	200	mg/kg	

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	300	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	2035	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	149	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	447	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	149	mg/kg bw/day	

Hydrocarbons, C7-C9, n-	alkanes, isoalkanes, cyclics					
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	773	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	2035	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	699	mg/kg bw/d	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	608	mg/m3	
	Human - oral	Long term, systemic effects	DNEL	699	mg/kg bw/d	

Hydrocarbons, C9, aroma	atics					
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	25	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	150	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	32	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	11	mg/kg bw/d	
Consumer	Human - oral	Long term, systemic effects	DNEL	11	mg/kg bw/day	

8.2 Exposure controls

8.2.1 Appropriate engineering controls



(GR)

Page 10 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013

PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

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).

Skin protection - Hand protection:

Solvent resistant protective gloves (EN 374).

Recommended

Protective nitrile gloves (EN 374)

Minimum layer thickness in mm:

0.3

Permeation time (penetration time) in minutes:

> 480

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

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:

Not applicable

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: Black Odour: Characteristic Odour threshold: Not determined pH-value: Not determined

Melting point/freezing point: Not determined Initial boiling point and boiling range: -25 °C

-41 °C (DIN 53213 (Pensky-Martens, closed cup)) Flash point:

Evaporation rate: Not determined Flammability (solid, gas): Not determined Lower explosive limit: 0.6 Vol-% Upper explosive limit: 18,0 Vol-%



Œ

Page 11 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

Vapour pressure:85 hPa (20°C)Vapour pressure:231 hPa (50°C)Vapour density (air = 1):Not determined

Density: 0,84 g/cm3 (20°C, DIN 51757)
Bulk density: Not determined

Solubility(ies):
Water solubility:
Not determined
Not miscible

Partition coefficient (n-octanol/water):

Not this cible

Not determined

Auto-ignition temperature: 200 °C (Ignition temperature)

Decomposition temperature:

Viscosity:

Not determined

Not determined

Explosive properties: Possible build up of explosive/highly flammable vapour/air mixture.

Product is not explosive.

Oxidising properties: Not determined

9.2 Other information

Miscibility: Not determined Fat solubility / solvent: Not determined Conductivity: Not determined Surface tension: Not determined Solvents content: 75,8 %

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

No dangerous reactions are known.

10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

10.5 Incompatible materials

See also section 7.

Avoid contact with oxidizing agents.

10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

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

exicity/effect	Endpoin	Value	Unit	Organism	Test method	Notes
	t					
e toxicity, by oral route:						n.d.a.
toxicity, by dermal route:						n.d.a.
oxicity, by inhalation:						n.d.a.
corrosion/irritation:						n.d.a.
us eye damage/irritation:						n.d.a.
piratory or skin sensitisation:						n.d.a.
cell mutagenicity:						n.d.a.
nogenicity:						n.d.a.
ductive toxicity:						n.d.a.
cific target organ toxicity -						n.d.a.
e exposure (STOT-SE):						
ific target organ toxicity -						n.d.a.
ed exposure (STOT-RE):						
iration hazard:						n.d.a.



Page 12 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Respiratory tract irritation:			n.d.a.
Repeated dose toxicity:			n.d.a.
Symptoms:			n.d.a.
Other information:			Classification according
			to calculation procedure.

Dimethyl ether						
Toxicity/effect	Endpoin t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	164	mg/l/4h	Rat		
Germ cell mutagenicity:						Negative
Germ cell mutagenicity (in vitro):					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity (in vitro):					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity (in vivo):					OECD 477 (Genetic Toxicology - Sex- Linked Recessive Lethal Test in Drosophilia melanogaster)	Negative
Carcinogenicity:						Negative
Reproductive toxicity:						Negative
Repeated dose toxicity:	NOAEC	47106	mg/m3	Rat	OECD 452 (Chronic Toxicity Studies)	Negative2a
Symptoms:						unconsciousness, headaches, mucous membrane irritation, dizziness, nausea and vomiting.

Toxicity/effect	Endpoin	Value	Unit	Organism	Test method	Notes
	t					
Acute toxicity, by oral route:	LD50	>5840	mg/kg	Rat	OECD 401 (Acute Oral	
					Toxicity)	
Acute toxicity, by dermal route:	LD50	>2920	mg/kg	Rat	OECD 402 (Acute	
					Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>25,2	mg/l/4h	Rat	OECD 403 (Acute	Vapours
					Inhalation Toxicity)	
Skin corrosion/irritation:					OECD 404 (Acute	Irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:					OECD 405 (Acute Eye	Mild irritant (Analogous
					Irritation/Corrosion)	conclusion)
Respiratory or skin sensitisation:					OECD 406 (Skin	Analogous conclusion, No
					Sensitisation)	(inhalation and skin
						contact)
Germ cell mutagenicity:					OECD 471 (Bacterial	Analogous conclusion,
					Reverse Mutation Test)	Negative
Carcinogenicity:						Analogous conclusion,
						Negative
Reproductive toxicity:					OECD 414 (Prenatal	Analogous conclusion,
					Developmental	Negative
					Toxicity Study)	
Specific target organ toxicity -						May cause drowsiness or
single exposure (STOT-SE):						dizziness.
Specific target organ toxicity -						Negative
repeated exposure (STOT-RE):						
Aspiration hazard:						Yes
Respiratory tract irritation:						Not irritant



Page 13 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Symptoms:	dizziness,
	unconsciousness,
	heart/circulatory
	disorders, headaches,
	cramps, drowsiness,
	mucous membrane
	irritation, dizziness,
	nausea and vomiting.
Symptoms:	headaches, fatigue,
	dizziness, nausea,
	cramps, itching
Symptoms:	dizziness,
	unconsciousness,
	heart/circulatory
	disorders, headaches,
	cramps, drowsiness,
	mucous membrane
	irritation, dizziness,
	nausea and vomiting.

Hydrocarbons, C7, n-alkanes, is	soalkanes,	cyclics				
Toxicity/effect	Endpoin t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5840	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	Analogous conclusion
Acute toxicity, by dermal route:	LD50	>2920	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	Analogous conclusion
Acute toxicity, by inhalation:	LC50	>23,3	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Analogous conclusion
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Irritant
Serious eye damage/irritation:				Rabbit		Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact)
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Carcinogenicity:						Negative
Reproductive toxicity:	NOAEL	9000	ppm	Rat	OECD 416 (Two- generation Reproduction Toxicity Study)	Negative
Aspiration hazard:						Yes
Aspiration hazard:						Yes
Symptoms:						diarrhoea, headaches, dizziness, nausea and vomiting.
Symptoms:						dizziness, unconsciousness, heart/circulatory disorders, headaches, cramps, drowsiness, mucous membrane irritation, dizziness, nausea and vomiting.
Teratogenicity:	NOAEC	1200	ppm	Rat		Negative

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics								
Toxicity/effect	Endpoin t	Value	Unit	Organism	Test method	Notes		
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)			
Acute toxicity, by dermal route:	LD50	>2800	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)			



Page 14 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Acute toxicity, by inhalation:	LC50	>23,3	mg/l/4h	Rat	OECD 403 (Acute	
					Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye	Not irritant
					Irritation/Corrosion)	
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin	Not sensitizising
•					Sensitisation)	
Germ cell mutagenicity (in vitro):					OECD 473 (Ín Vitro	Negative
					Mammalian `	
					Chromosome	
					Aberration Test)	
Germ cell mutagenicity (in vivo):		2000	mg/kg	Mouse	OECD 474	Negative
3 , , ,					(Mammalian	
					Erythrocyte	
					Micronucleus Test)	
Reproductive toxicity:	LOAEL	9000	ppm	Rat	OECD 416 (Two-	Negative
,					generation `	
					Reproduction Toxicity	
					Study)	
Aspiration hazard:						Yes
Symptoms:						dizziness,
						unconsciousness,
						heart/circulatory
						disorders, headaches,
						cramps, drowsiness,
						mucous membrane
						irritation, dizziness,
						nausea and vomiting.

Butanone						
Toxicity/effect	Endpoin t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2600	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	5000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	34,5	mg/l/4h	Rat		
Skin corrosion/irritation:						Mild irritant, Repeated
						exposure may cause skin
						dryness or cracking.
Respiratory or skin sensitisation:						Not sensitizising
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
					Reverse Mutation Test)	
Symptoms:						respiratory distress,
						dizziness,
						unconsciousness, drop in
						blood pressure, coughing,
						headaches, cramps,
						intoxication, drowsiness,
						mucous membrane
						irritation, dizziness,
						nausea and vomiting.,
						mental confusion

Endpoin t	Value	Unit	Organism	Test method	Notes
LD50	5620	mg/kg	Rat		
LD50	>18000	mg/kg	Rabbit		
LC50	>28,6	mg/l/4h	Rat		
	4	h	Rabbit		Not irritant, Repeated
					exposure may cause skin
					dryness or cracking.
					Irritant
	LD50	t LD50 5620 LD50 >18000 LC50 >28,6	t LD50 5620 mg/kg LD50 >18000 mg/kg LC50 >28,6 mg/l/4h	t But the control of the c	t But the control of the c



Page 15 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Respiratory or skin sensitisation:	No indications of such an effect.
Germ cell mutagenicity:	OECD 476 (In Vitro Negative Mammalian Cell Gene Mutation Test)
Symptoms:	lack of appetite, breathing difficulties, dizziness, unconsciousness, drop in blood pressure, cornea opacity, coughing, headaches, gastrointestinal disturbances, intoxication, drowsiness, mucous membrane irritation, dizziness, salivation, nausea and vomiting.

Cyclohexane						
Toxicity/effect	Endpoin	Value	Unit	Organism	Test method	Notes
	t					
Acute toxicity, by oral route:	LD50	12750	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	14	mg/l/4h	Rat		
Skin corrosion/irritation:						Irritant
Serious eye damage/irritation:						Mild irritant
Respiratory or skin sensitisation:						Not sensitizising
Germ cell mutagenicity (in vitro):						Negative
Specific target organ toxicity -	LOAEL	0,09	mg/l			May cause drowsiness or
single exposure (STOT-SE):						dizziness.
Aspiration hazard:						Yes
Symptoms:						lack of appetite,
						abdominal pain,
						dizziness,
						unconsciousness,
						coughing, collapse,
						headaches, cramps,
						gastrointestinal
						disturbances, drowsiness,
						mucous membrane
						irritation, dizziness,
						nausea and vomiting.

Toxicity/effect	Endpoin t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000- <5000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Skin corrosion/irritation:						Mild irritant, Repeated exposure may cause skin
						dryness or cracking.
Serious eye damage/irritation:						Not irritant
Respiratory or skin sensitisation:						Not sensitizising
Germ cell mutagenicity:						Negative
Carcinogenicity:						Negative
Reproductive toxicity:						Negative
Specific target organ toxicity -						May cause drowsiness or
single exposure (STOT-SE):						dizziness., May cause
. , ,						respiratory irritation.
Aspiration hazard:						Yes
Respiratory tract irritation:						Irritant



Page 16 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

Symptoms:			respiratory distress,
			coughing, burning of the
			membranes of the nose
			and throat, dizziness,
			dizziness, headaches,
			nausea,
			unconsciousness, fever,
			ear noises, drying of the
			skin.

Talc						
Toxicity/effect	Endpoin	Value	Unit	Organism	Test method	Notes
	t					
Skin corrosion/irritation:						Not irritant
Serious eye damage/irritation:						Not irritant
Respiratory or skin sensitisation:						Not sensitizising
Germ cell mutagenicity:						Negative
Carcinogenicity:						Negative
Symptoms:						mucous membrane
						irritation
Teratogenicity:				Rat		Negative

Naphtha (petroleum), hydrotreated light									
Toxicity/effect	Endpoin	Value	Unit	Organism	Test method	Notes			
	t								
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat					
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit					
Acute toxicity, by inhalation:	LC50	>5	mg/l/4h	Rat					
Serious eye damage/irritation:						Not irritant			
Respiratory or skin sensitisation:						Not sensitizising			
Aspiration hazard:						Yes			
Symptoms:						dizziness,			
						unconsciousness,			
						heart/circulatory			
						disorders, headaches,			
						cramps, drowsiness,			
						mucous membrane			
						irritation, dizziness,			
						nausea and vomiting.			

SECTION 12: Ecological information

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

Unterboden-Schutz sch	warz 500 ML							
Art.: 6113								
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							n.d.a.	
degradability:								
Bioaccumulative							n.d.a.	
potential:								
Mobility in soil:							n.d.a.	
Results of PBT and							n.d.a.	
vPvB assessment:								
Other adverse effects:							n.d.a.	
Other information:							According to the recipe,	
							contains no AOX.	

Dimethyl ether							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes



Page 17 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Toxicity to fish:	LC50	96h	2695	mg/l	Pimephales promelas		
Toxicity to fish:	LC50	96h	3082	mg/l	Salmo gairdneri		
Toxicity to fish:	LC50	96h	>4000	mg/l	Poecilia reticulata		
Toxicity to daphnia:	EC50	48h	>4000	mg/l	Daphnia magna		
Toxicity to algae:	EC0	96h	154,9	mg/l	Chlorella vulgaris	QSAR	
Persistence and degradability:		28d	5	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Not readily biodegradable
Bioaccumulative potential:	Log Pow		-0,07			,	Bioaccumulation is unlikely (LogPow < 1). 25°C (pH 7)
Mobility in soil:	H (Henry)		518,6	Pa*m3/ mol			No adsorption in soil.
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC10		>1600	mg/l	Pseudomonas putida		
Water solubility:			45,60	mg/l			25°C

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	11,4	mg/l	Oncorhynchus	OECD 203 (Fish,	
					mykiss	Acute Toxicity	
						Test)	
Toxicity to daphnia:	NOEC/NO	21d	1	mg/l	Daphnia magna	OECD 211	
	EL					(Daphnia magna	
						Reproduction	
						Test)	
Toxicity to daphnia:	EC50	48h	3	mg/l	Daphnia magna	OECD 202	
						(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
Toxicity to algae: EC50	EC50	72h	30	mg/l	Pseudokirchneriell	OECD 201	
					a subcapitata	(Alga, Growth	
						Inhibition Test)	
Persistence and		28d	81	%			Analogous conclusion
degradability:							
Bioaccumulative	Log Pow		3,4-5,2				
potential:							
Bioaccumulative	BCF		242-				
potential:			253				
Results of PBT and							No PBT substance, No
vPvB assessment:							vPvB substance
Other information:	DOC						DOC-elimination
							degree(complexing
							organic substance)>=
							80%/28d:, n.a.
Water solubility:							Insoluble

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LL50	96h	13,4	mg/l	Oncorhynchus mykiss		
Toxicity to daphnia:	EL50	48h	3	mg/l	Daphnia magna		
Toxicity to algae:	EL50	72h	10 - 30	mg/l	Pseudokirchneriell a subcapitata		
Toxicity to algae:	NOELR	72h	10	mg/l	Pseudokirchneriell a subcapitata		
Persistence and degradability:							Readily biodegradable
Water solubility:			2,6	mg/l			25°C



Page 18 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LL50	96h	3 -10	mg/l	Oncorhynchus	OECD 203 (Fish,	
				mykiss	Acute Toxicity Test)		
Toxicity to daphnia:	NOELR	21d	1 -1,6	mg/l	Daphnia magna	OECD 211	
						(Daphnia magna	
						Reproduction	
Tandalia da	F1 50	401-	4.0		Danibada ara ara a	Test)	
Toxicity to daphnia:	EL50	48h	4,6 - 10	mg/l	Daphnia magna	OECD 202	
			10			(Daphnia sp. Acute	
						Immobilisation	
						Test)	
Toxicity to algae:	EbL50	72h	10-30	mg/kg	Pseudokirchneriell	OECD 201	
, ,					a subcapitata	(Alga, Growth	
						Inhibition Test)	
Toxicity to algae:	NOEC/NO	72h	10	mg/l	Pseudokirchneriell	OECD 201	
	EL				a subcapitata	(Alga, Growth Inhibition Test)	
Persistence and		28d	98	%		OECD 301 F	Completely biodegradable.
degradability:						(Ready	
						Biodegradability -	
						Manometric	
						Respirometry	
Results of PBT and						Test)	No PBT substance, No
vPvB assessment:							vPvB substance
Toxicity to bacteria:	EL50	48h	11,14	mg/l			calculated value
Water solubility:		1	2	mg/l			Insoluble

Butanone							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	1690	mg/l	Lepomis macrochirus		
Toxicity to daphnia:	EC50	48h	308	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
Toxicity to algae:	ErC50	96h	2029	mg/l	Pseudokirchneriell a subcapitata	OEĆD 201 (Alga, Growth Inhibition Test)	
Toxicity to algae:	EbC50	16h	4300	mg/l	Scenedesmus subspicatus		
Persistence and degradability:		28d	98	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Readily biodegradable
Bioaccumulative potential:	Log Pow		0,29			,	Bioaccumulation is unlikely (LogPow < 1).
Mobility in soil:	H (Henry)		0,0000 244	atm*m3/ mol			25°C
Other information:	BOD		>60	%			
Other information:	BOD/COD		>50	%			
Other information:	DOC		>70	%			

Ethyl acetate							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	230	g/m3	Pimephales		
				-	promelas		
Toxicity to daphnia:	EC50	48h	610	mg/l	Daphnia magna		
	•	•	•	-		•	



Page 19 of 24
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 28.10.2013 / 0021
Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Toxicity to algae:	NOEC/NO EL	96h	2000	mg/l	Scenedesmus subspicatus		
Toxicity to algae:	IC50	48h	3300	mg/l	Scenedesmus subspicatus		
Persistence and degradability:		28d	93,9	%	·	OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	
Persistence and degradability:		28d	100	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	
Bioaccumulative potential:	BCF		30				(Fish)
Bioaccumulative potential:	Log Pow		0,73				Bioaccumulation is unlikely (LogPow < 1).
Mobility in soil:	H (Henry)		0,0001 2	atm*m3/ mol			
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance
Water solubility:			80	g/l			Mixable 25°C

Cyclohexane							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	4,53	mg/l	Pimephales promelas	OECD 203 (Fish, Acute Toxicity Test)	
Toxicity to daphnia:	EC50	48h	3,78	mg/l	Daphnia magna		Does not conform with EU classification.
Toxicity to algae:	IC50	72h	>500	mg/l	Desmodesmus subspicatus		Does not conform with EU classification.
Persistence and degradability:		28d	6	%			Not readily biodegradable
Bioaccumulative potential:	Log Pow		3,44				A notable biological accumulation potential has to be expected (LogPow > 3).
Results of PBT and vPvB assessment:							n.a.
Toxicity to bacteria:	EC50	5min	200	mg/l	Photobacterium phosphoreum		
Water solubility:			0,05	g/l			20°C

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	9,22	mg/l	Oncorhynchus mykiss		
Toxicity to daphnia:	EC50	48h	21,3	mg/l			
Toxicity to algae:	EC50	72h	2,6-2,9	mg/l	Pseudokirchneriell a subcapitata		
Persistence and degradability:		28d	54-56	%	·	OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	
Persistence and degradability:		28d	78	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	
Results of PBT and						,	No PBT substance, N
vPvB assessment:							vPvB substance



Page 20 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

Talc							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Water solubility:			< 0,1	%			

Naphtha (petroleum), hydrotreated light								
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
Toxicity to fish:	LC50		>1-10	mg/l				
Toxicity to algae:	LC50		>1-10	mg/l				
Bioaccumulative	Log Pow		2,9-4					
potential:								

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 08 01 11 waste paint and varnish containing organic solvents or other 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:

UN number:

Do not perforate, cut up or weld uncleaned container.

SECTION 14: Transport information

1950

General statements

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 2013): 1 I LQ (ADR 2009):

Environmental hazards: environmentally hazardous Tunnel restriction code:

Transport by sea (IMDG-code)

UN proper shipping name: AEROSOLS (NAPHTHA (PETROLEUM))

Transport hazard class(es):

2.1 Packing group: F-D, S-U EmS: 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













Œ

Page 21 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013

PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

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

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

Yes

For classification and labelling see Section 2.

Observe restrictions:

Comply with trade association/occupational health regulations.

Observe youth employment law (German regulation).

Regulation (EC) No 1907/2006, Annex XVII

VOC (1999/13/EC):

75,83% (636,9 g/l)

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:

2, 3, 8, 11, 12

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation	Evaluation method used
(EC) No. 1272/2008 (CLP)	
Skin Irrit. 2, H315	Classification according to calculation procedure.
STOT SE 3, H336	Classification according to calculation procedure.
Aquatic Chronic 2, H411	Classification according to calculation procedure.
Aerosol 1, H222	Classification based on test data.
Asp. Tox. 1, H304	Classification according to calculation procedure.
Aerosol 3, H229	Classification based on test data.

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.
- 12 Extremely flammable.
- 36 Irritating to eyes.
- 37 Irritating to respiratory system.
- 38 Irritating to skin.
- 50 Very toxic to aquatic organisms.
- 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.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.



(GB)

Page 22 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.

H220 Extremely flammable gas.

Skin Irrit. — Skin irritation

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

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Aerosol — Aerosols

Asp. Tox. — Aspiration hazard

Flam. Gas — Flammable gases (including chemically unstable gases)

Flam. Liq. — Flammable liquid Eye Irrit. — Eye irritation

Aquatic Acute — Hazardous to the aquatic environment - acute

STOT SE — Specific target organ toxicity - single exposure - respiratory tract 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

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

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

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

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

BCF Bioconcentration factor

Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation) BGV

BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol) BMGV Biological monitoring guidance value (EH40, UK)

BOD Biochemical oxygen demand

Bromine Science and Environmental Forum **BSEF**

body weight bw

CAS Chemical Abstracts Service

CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids

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

Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes) DVS

dw dry weight

for example (abbreviation of Latin 'exempli gratia'), for instance e.g.

EC **European Community** ECHA European Chemicals Agency EEA European Economic Area EEC **European Economic Community**

EINECS European Inventory of Existing Commercial Chemical Substances

European List of Notified Chemical Substances **ELINCS**

ΕN European Norms

United States Environmental Protection Agency (United States of America) FPA

ERC **Environmental Release Categories**

Exposure scenario ES



(GB)

Page 23 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013

PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

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 LDL0 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 applicablen.av. not availablen.c. not checkedn.d.a. no data available

NIOSH National Institute of Occupational Safety and Health (United States of America)

NOAEC No Observed Adverse Effective Concentration

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

REACHRegistration, 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)

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))



(GB)

Page 24 of 24

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

Revised on / Version: 28.10.2013 / 0021

Replaces revision of / Version: 02.08.2012 / 0020

Valid from: 28.10.2013 PDF print date: 28.10.2013

Unterboden-Schutz schwarz 500 ML Art.: 6113

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

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 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.