

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.10.2020

Version number 2

Revision: 16.10.2020

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

1.1 Product identifier

Trade name weber.fug 885

Safety data sheet no.: 49PX20231

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

No further relevant information available.

Application of the substance / the mixture Priming

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint Gobain Weber GmbH

Schanzenstr. 84

D-40549 Düsseldorf

+49(0)211/91369-0

email: Produktsicherheit@sg-weber.de

1.4 Emergency telephone number: Telefon: +49(0)6131-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

Repr. 2 H361d Suspected of damaging the unborn child.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02



GHS07



GHS08

Signal word Danger**Hazard-determining components of labelling:**

tetraethyl orthosilicate

toluene

butanone

Titanium tetrakis(2-ethylhexanolate)

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Hazard statements

H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H361d Suspected of damaging the unborn child.
 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing vapours.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture of substances listed below with non hazardous additions.

Dangerous components:

CAS: 78-10-4 EINECS: 201-083-8 Index number: 014-005-00-0 Reg.nr.: 01-2119496195-28-xxxx	tetraethyl orthosilicate ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	25-50%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43-xxxx	butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 1070-10-6 EINECS: 213-969-1 Reg.nr.: 01-2119968572-27-xxxx	Titanium tetrakis(2-ethylhexanolate) ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-25%
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3 Reg.nr.: 01-2119471310-51-xxxx	toluene ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	5-10%

SVHC Void

Additional information For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Information for doctor None

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents Water with full jet

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources

6.2 Environmental precautions:

The product must not get into watercourses or into the soil.

Inform respective authorities in case of seepage into water course or sewage system.

Suppress gases/fumes/haze with water spray.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

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6.4 Reference to other sections See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
Fumes can combine with air to form an explosive mixture.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility:

Store away from foodstuffs.
Store away from oxidising agents.

Further information about storage conditions:

Protect from heat and direct sunlight.
Store in cool, dry conditions in well sealed receptacles.

Recommended storage temperature: 5-30°C.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

DNELs

CAS: 78-10-4 tetraethyl orthosilicate

Dermal	Derived No Effect Level	56 mg/kgxday (worker systemic long term value)
		56 mg/kgxday (worker systemic short term value)
		3 mg/kgxday (consumer systemic long term value)
		3 mg/kgxday (consumer systemic short term value)
		3 mg/kgxday (consumer systemic short term value)
Inhalative	Derived No Effect Level	85 mg/m ³ (worker systemic long term value)
		85 mg/m ³ (worker systemic short term value)
		14 mg/m ³ (consumer systemic long term value)
		14 mg/m ³ (consumer systemic short term value)
		85 mg/m ³ (worker local short term value)
		85 mg/m ³ (worker local long term value)
		14 mg/m ³ (consumer local long term value)
14 mg/m ³ (consumer local short term value)		

CAS: 78-93-3 butanone

Oral	Derived No Effect Level	31 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	1,161 mg/kgxday (worker systemic long term value)
		412 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	600 mg/m ³ (worker systemic long term value)
		106 mg/m ³ (consumer systemic long term value)

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Ingredients with biological limit values:
CAS: 78-93-3 butanone

BGW (Germany)	2 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: 2-Butanon
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VLB (Spain)	2 mg/l Muestra: orina Momento de Muestero: Final de la jornada laboral Indicador Biológico: Metiletilcetona
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IBE (Italy)	2 mg/l Campioni: urine Momento del prelievo: a fine turno Indicatore biologico: Metil etil chetone
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IBE (Portugal)	2 mg/L Amostra: urina Momento da amostragem: Fim do turno Indicador biológico: Metiletilcetona (MEK)
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CAS: 108-88-3 toluene

BGW (Germany)	600 µg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: unmittelbar nach Exposition Parameter: Toluol
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	1.5 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende, bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten Parameter: o-Kresol (nach Hydrolyse)
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	75 µg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Toluol
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VLB (Spain)	0.6 g/g creatinina Muestra: orina Momento de Muestero: Final de la jornada laboral Indicador Biológico: o-Cresol
	0.05 mg/l Muestra: sangre Momento de Muestero: Principio de la última jornada de la semana laboral Indicador Biológico: Tolueno
	0.08 mg/l Muestra: orine Momento de Muestero: Final de la jornada laboral Indicador Biológico: Tolueno
IBE (Italy)	0.02 mg/l Campioni: sangue Momento del prelievo: a prima ultimo turno settimana lavorativa Indicatore biologico: toluene
	0.03 mg/l Campioni: urine Momento del prelievo: a fine turno Indicatore biologico: toluene
IBE (Portugal)	0.3 mg/g creatinina Campioni: urine Momento del prelievo: a fine turno Indicatore biologico: o-cresolo
	0.02 mg/L Amostra: sangue Momento da amostragem: Antes do último turno da semana de trabalho Indicador biológico: Tolueno
BNO (Finland)	0.03 mg/L Amostra: urina Momento da amostragem: Fim do turno Indicador biológico: Tolueno
	0.3 mg/g creatinina Amostra: urina Momento da amostragem: Fim do turno Indicador biológico: o-Cresol
BNO (Finland)	500 nmol/l Altiste: veren Näytteenottoajankohta: Työpäivän jälkeinen aamu Parametri: tolueenipitoisuus

CAS No.	Designation of material	%	Type	Value	Unit
CAS: 78-10-4	tetraethyl orthosilicate				
IOELV (European Union)	Long-term value:	44 mg/m ³ ,	5 ppm		
AGW (Germany)	Long-term value:	12 mg/m ³ ,	1.4 ppm		
		1(I);AGS			
GV (Denmark)	Long-term value:	44 mg/m ³ ,	5 ppm		
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LEP (Spain)	Long-term value: 44 mg/m ³ , 5 ppm VLI
TWA (Italy)	Long-term value: 85 mg/m ³ , 10 ppm
VL (Italy)	Long-term value: 44 mg/m ³ , 5 ppm
VLE (Portugal)	Long-term value: 10 ppm Irritação ocular,do TRS; lesão renal
OEL (Sweden)	Short-term value: 86 mg/m ³ , 10 ppm Long-term value: 44 mg/m ³ , 5 ppm
HTP (Finland)	Short-term value: 86 mg/m ³ , 10 ppm Long-term value: 43 mg/m ³ , 5 ppm

CAS: 78-93-3 butanone

IOELV (European Union)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm
AGW (Germany)	Long-term value: 600 mg/m ³ , 200 ppm 1(I);DFG, EU, H, Y
GV (Denmark)	Long-term value: 145 mg/m ³ , 50 ppm EH
LEP (Spain)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm VLB, VLI
TWA (Italy)	Short-term value: 885 mg/m ³ , 300 ppm Long-term value: 590 mg/m ³ , 200 ppm IBE
VL (Italy)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm
VLE (Portugal)	Short-term value: 300 ppm Long-term value: 200 ppm IBE;Irritação do TRS;afeção do SNP, SNC
OEL (Sweden)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 150 mg/m ³ , 50 ppm
HTP (Finland)	Short-term value: 300 mg/m ³ , 100 ppm iho

CAS: 108-88-3 toluene

IOELV (European Union)	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 192 mg/m ³ , 50 ppm Skin
AGW (Germany)	Long-term value: 190 mg/m ³ , 50 ppm 4(II);DFG, EU, H, Y
GV (Denmark)	Long-term value: 94 mg/m ³ , 25 ppm EH
LEP (Spain)	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 192 mg/m ³ , 50 ppm vía dérmica, VLB, VLI, r
TWA (Italy)	Long-term value: 75.4 mg/m ³ , 20 ppm A4, IBE
VL (Italy)	Long-term value: 192 mg/m ³ , 50 ppm Pelle
VLE (Portugal)	Long-term value: 20 ppm A4, IBE;afeção vista;lesão apar.repr.fem.,aborto
OEL (Sweden)	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 192 mg/m ³ , 50 ppm B, H

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HTP (Finland)	Short-term value: 380 mg/m ³ , 100 ppm Long-term value: 81 mg/m ³ , 25 ppm iho, melu
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Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Pregnant women should strictly avoid inhalation or skin contact.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Use a moisturising skin cream after processing the product.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Filter A2

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.5 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Breakthrough time: > 480 min

Value for the permeation: Level ≤ 6

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Yellowish
Odour:	Like ketone
Odour threshold:	Not determined.

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pH-value:	Not applicable.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	79 °C (DIN)
Flash point:	-1 °C (DIN ISO 2592)
Ignition temperature:	514 ° C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	1.3 Vol. %
Upper:	23 Vol. %
Oxidising properties	Not determined.
Vapour pressure:	105 hPa
Density at 20 °C:	0.89 g/cm ³ (DIN 51757)
Bulk density:	Not applicable.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix
Segregation coefficient (n-octanol/water) log	
Pow:	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
Solvent separation test:	Not determined
Solvent content:	
Organic solvents:	35.0 %
EU-VOC (%)	35.00 %
9.2 Other information	None.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

LD/LC50 values relevant for classification:

Components	Type	Value	Species
CAS: 78-10-4 tetraethyl orthosilicate			
Oral	LD50	>2,500 mg/kg	(Rat)
Inhalative	LC50/4 h	>10-16.8 mg/l	(Rat)
CAS: 78-93-3 butanone			
Oral	LD50	3,300 mg/kg	(Rat)
Dermal	LD50	5,000 mg/kg	(rbt)
Inhalative	LC50/4 h	36 mg/l	(Rat)
CAS: 1070-10-6 Titanium tetrakis(2-ethylhexanolate)			
Oral	LD50	>3,290 mg/kg	(Rat)
Dermal	LD50	>3,000 mg/kg	(Rat)
CAS: 108-88-3 toluene			
Oral	LD50	5,000 mg/kg	(Rat)
Dermal	LD50	12,124 mg/kg	(Rabbit)
Inhalative	LC50/4 h	5,320 mg/l	(Mouse)

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

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

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

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

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

Reproductive toxicity

Suspected of damaging the unborn child.

STOT-single exposure

May cause respiratory irritation. May cause drowsiness or dizziness.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

Type of test	Effective concentration	Method	Assessment
CAS: 78-10-4 tetraethyl orthosilicate			
LC50/96h	>245 mg/l	(Brachydanio rerio (zebra danio))	(OECD 203)
EC50/48h	75 mg/l	(Daphnia magna)	(OECD 203)
CAS: 78-93-3 butanone			
LC50/96h	2,993 mg/l	(Fish)	(OECD 203)
EC50/48h	308 mg/l	(Daphnia magna)	(OECD 202)
EC50/96h	2,029 mg/l	(Algae)	

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CAS: 1070-10-6 Titanium tetrakis(2-ethylhexanolate)

LC50/48h 40 mg/l (Daphnia magna)

LC50/96h 17.1 mg/l (Fish)

EC50/72h 16.6 mg/l (Algae)

12.2 Persistence and degradability No further relevant information available.

Method

CAS: 78-10-4 tetraethyl orthosilicate

Biod. (28d) 98 % (OECD 111)

Other information: The product is easily biodegradable.

12.3 Bioaccumulative potential No further relevant information available.

Behaviour in environmental systems:

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

European waste catalogue

Possible waste code. The concrete waste code depends on the source of the waste.

08 04 99	wastes not otherwise specified
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Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

UN1993

14.2 UN proper shipping name

ADR

1993 FLAMMABLE LIQUID, N.O.S., special provision 640D (ETHYL METHYL KETONE (METHYL ETHYL KETONE), TETRAETHYL SILICATE)

IMDG, IATA

FLAMMABLE LIQUID, N.O.S. (ETHYL METHYL KETONE (METHYL ETHYL KETONE), TETRAETHYL SILICATE)

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14.3 Transport hazard class(es)

ADR



Class 3 (F1) Flammable liquids.
Label 3

IMDG, IATA



Class 3 Flammable liquids.
Label 3

14.4 Packing group

ADR, IMDG, IATA II

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Warning: Flammable liquids.

Hazard identification number (Kemler code): 33

EMS Number: F-E,S-E

Stowage Category B

14.7 Transport in bulk according to Annex II

of Marpol and the IBC Code Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

Transport category 2
Tunnel restriction code D/E

IMDG

Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation":

UN 1993 FLAMMABLE LIQUID, N.O.S., SPECIAL PROVISION 640D (ETHYL METHYL KETONE (METHYL ETHYL KETONE), TETRAETHYL SILICATE), 3, II

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SECTION 15: Regulatory information

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

Directive 2012/18/EU**Named dangerous substances - ANNEX I** None of the ingredients is listed.**Seveso category** P5c FLAMMABLE LIQUIDS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 48**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

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.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

Department issuing SDS: Product safety department.**Contact:** Produktsicherheit@sg-weber.de; tel. +49(0)2363/399-210**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity - inhalation – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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according to 1907/2006/EC, Article 31

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Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.

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