SAFETY DATA SHEET According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Material: 10002955 **EL A 07** ***SMP,VARIOUS**

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

1.1 Product identifier

Commercial product name: **EL A 07** ***SMP,VARIOUS**

This substance/ mixture contains nanoforms (according to REACH Regulation)

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

Use of substance / preparation:
Industrial. Commercial.
Sealants

1.3 Details of the supplier of the safety data sheet

Manufacturer/distributor:	Wacker Chemie AG	
Street/POB-No.:	Gisela-Stein-Straße 1	
State/postal code/city:	D 81671 München	
Telephone:	+49 89 6279-0	
Contact point:	Wacker Chemicals Ltd.	
Street/POB-No.:	2 Arlington Square, Downshire Way	
Postal code/city:	Bracknell RG12 1WA	
Country:	United Kingdom	
Telephone:	+44 1344 401 670	
Information about the Safety Data Sheet:	Telephone	+49 8677 83-4888
	eMail	WLCP-MSDS@wacker.com

1.4 Emergency telephone number

Emergency Information: **+44 1273 289451**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567):

Classification	H-Code
Flammable liquids, Category 2	H225
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Reproductive toxicity, Category 2	H361d
Specific target organ toxicity - single exposure, Category 3	H336
Specific target organ toxicity - repeated exposure, Category 2	H373
Long-term (chronic) aquatic hazard, Category 3	H412

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567):

Pictogram(s):



Signal Word: Danger

H-Code	Hazard Statements
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

P-Code	Precautionary Statements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P273	Avoid release to the environment.
P201	Obtain special instructions before use.
P280	Wear protective gloves/protective clothing/eye protection.
P260	Do not breathe vapours/spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P310	Immediately call a POISON CENTER/ doctor.
P405	Store locked up.

Hazard ingredients (labelling):
Toluene
Methyl-tris-n-butylaminosilane

2.3 Other hazards

No data available.
Endocrine disrupting properties - human health: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Endocrine disrupting properties - environment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

3.2.1 Chemical characteristics

Polydimethylsiloxane + auxiliary + Aminosilane + solvent

3.2.2 Hazardous ingredients

Toluene			>25 – <30 %
CAS-No.: 108-88-3	EC-No.: 203-625-9	Index-No.: 601-021-00-3	
INHA [1], [2]	REACH No.: 01-2119471310-51		
Classification (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567) *	Asp. Tox. 1 / H304; Skin Irrit. 2 / H315; STOT SE 3 / H336; STOT RE 2 / H373; Repr. 2 / H361d; Flam. Liq. 2 / H225; Aquatic Chronic 3 / H412		

Methyl-tris-n-butylaminosilane			>3 – <5 %
CAS-No.: 16411-33-9	EC-No.: 240-462-2		
INHA [1]	REACH No.: 01-2120764367-45		
Classification (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567) *	Acute Tox. 4, oral / H302; Skin Corr. 1B / H314; Eye Dam. 1 / H318		

Type: INHA: ingredient, VERU: impurity

REACH registered substances may be included as impurities. These do not necessarily require identified uses and exposure scenarios in the safety data sheet.

[1] = Hazardous or environmentally harmful substance; [2] = substance with a Community workplace exposure limit; [3] = PBT substance; [4] = vPvB substance; [5] = Endocrine disrupting properties

*For explanation of abbreviations see section 16.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above ≥ 0.1%.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:
Take persons to a safe place. Observe self-protection for first aid. Seek medical advice in the event of contact with this substance. Pregnant women exposed to this substance must seek medical advice. Vapours may cause dizziness. Do not leave affected individuals unattended.

After contact with the eyes:
Rinse immediately with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice and clearly identify substance.

After contact with the skin:
Remove contaminated or soaked clothing. Wash off with plenty of water or water and soap immediately for 10-15 minutes. In serious cases, use emergency shower immediately. Seek medical advice and clearly identify substance.

After inhalation:
Keep the patient calm. Protect against loss of body heat. Seek medical advice and clearly identify substance.

After swallowing:
If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice and clearly identify substance.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

After inhalation: treat as early as possible using cortisone spray. Product contains reproductive toxins (may cause harm to the unborn child and /or impairs male or female reproductive function). After exposure, specialist advice (e.g. gynaecology/birth aid or, if necessary, toxicology/human genetics) is recommended.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:
water spray , extinguishing powder , foam , carbon dioxide .

Extinguishing media which must not be used for safety reasons:
water jet .

5.2 Special hazards arising from the substance or mixture

Heavy soot formation during combustion. Hazardous combustion products: nitrogen oxides .

5.3 Advice for firefighters

Special protective equipment for fire fighting:
Use respiratory protection independent of recirculated air.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (see section 8). Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. Keep unprotected persons away.

6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

6.3 Methods and material for containment and cleaning up

Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Exhaust vapours.

Further information:
Eliminate all sources of ignition.

6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:
Ensure adequate ventilation. Spilled substance increases risk of slipping.

Precautions against fire and explosion:
Cool endangered containers with water. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:
none known .

Advice for storage of incompatible materials:
not applicable .

Further information for storage:
Store in a dry and cool place. Keep container tightly closed. Protect against moisture. Protect against sun.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Maximum airborne concentrations at the workplace:

Substance	Type	mg/m³	ppm	Dust fract.	Fibre/m³
Toluene	OEL	191,0	50,0		
Toluene	EU	192,0	50,0		
n-Butylamine	OEL				

-

Toluene: STEL (EU) is 384 mg/m3 (=100 ppm), can be absorbed through the skin.

Derived No-Effect Level (DNEL):

Toluene

Area of use:	Value:
Worker; by inhalation; systemic (acute) local (acute)	384 mg/m³
Worker; by inhalation; systemic (long term) local (long term)	192 mg/m³
Worker; dermal; systemic (long term)	384 mg/kg bw/day
Consumer; by inhalation; systemic (acute) local (acute)	226 mg/m³
Consumer; by inhalation; systemic (long term) local (acute)	56,5 mg/m³
Consumer; dermal; systemic (long term)	226 mg/kg bw/day
Consumer; oral; systemic (long term)	8,13 mg/kg bw/day

Predicted No Effect Concentration (PNEC):

Toluene

Area of use:	Value:
freshwater	0,074 mg/l
marine water	0,0074 mg/l
Sediment	1,78 mg/kg dry mass
Sediment (marine water)	0,178 mg/kg dry mass
sewage treatment plant	0,84 mg/l
Soil	0,313 mg/kg dry mass

8.2 Exposure controls

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:
Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Keep working clothes separately. Do not eat, drink or smoke when handling. Avoid exposure of the substance to pregnant women.

Further information for system design and engineering measures

Observe information in section 7.

Personal protection equipment:

Respiratory protection

If inhalative exposure above the occupational exposure limit cannot be excluded, adequate respiratory protection equipment must be used. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136.
Recommended Filter type: Gas filter type ABEK (certain inorganic, organic and acidic gases and vapors; ammonia/amines), according to acknowledged standards such as EN 14387

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136.
Recommended Filter type: Combined filter type ABEK-P2 (certain inorganic, organic and acidic gases and vapors; ammonia/amines; particles), according to acknowledged standards such as EN 14387

For long or intense exposure, use respiratory protective equipment. Suitable respiratory equipment: Positive pressure self contained breathing apparatus, according to acknowledged standards such as EN 137.

Observe the equipment manufacturer's information and wear time limits for respirators.

Eye protection

protective goggles, according to acknowledged standards such as EN 166.

Hand protection

Protective gloves are required at all times when handling the material, according to recognized standards such as EN374.

Recommended glove types: Protective gloves made of fluorinated rubber
thickness of the material: > 0,7 mm
Breakthrough time: > 480 min

Recommended glove types: Protective gloves made of 5-layer laminate of PE and EVOH (4H)
thickness of the material: > 0,062 mm
Breakthrough time: > 480 min

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters, drains or sewers and soil. Do not introduce large amounts into purification plants.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Property:	Value:	Method:
Physical state	liquid	
Colour	colourless dark	
Odour	strong	
Odour Threshold	no data available	
Melting point	exempt	
Boiling point/boiling range	111 °C at 1013 hPa	
Lower explosion limit	1,2 Vol-%	
Upper explosion limit	7 Vol-%	
Flash point	8 °C	(ISO 13736)
Ignition temperature	420 °C	(not specified)
Thermal decomposition	exempt	
pH	Not applicable. Insoluble in water.	
Viscosity, kinematic	not applicable	
Viscosity, dynamic	8000 mPa.s at 25 °C	
Water solubility	practically insoluble	
Partition coefficient: n-octanol/water	not applicable	
Vapour pressure	29 hPa at 20 °C	
Density	0,98 g/cm³	(DIN 51757)
Relative vapour density	no data available	
Particle Size Distribution	Not applicable.	

9.2 Other information

No data available.

Property:	Value:	Method:
Evaporation rate	no data available	
Molecular weight	not applicable	

SECTION 10: Stability and reactivity

10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

Moisture.

10.5 Incompatible materials

Reacts with water. The reaction takes place with the formation of n-butyl amine.

10.6 Hazardous decomposition products

Under the effect of humidity, water and protic agents n-butyl amine. The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1 General information

Data derived for the product as a whole are of higher priority than data for single ingredients.

11.1.2 Acute toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Acute toxicity estimate (ATE):
ATE_{mix} (Oral): > 2000 mg/kg

Data on substances:

Toluene:

Exposure routes	Result/Effect
Oral	LD50 5580 mg/kg Species: Rat, Source: ECHA
dermal	LD50 12267 mg/kg Species: Rabbit, Source: ECHA
by inhalation (vapour)	LC50 28,1 mg/l; 4 h Species: Rat, Source: ECHA

11.1.3 Skin corrosion/irritation

Assessment:

Irritation of the skin must be expected. Due to a strong adherence to the skin symptoms of skin corrosion cannot be excluded after removing the substance mechanically.

Product details:

not corrosive
(Test system: In Vitro Membrane Barrier Test Method for Skin Corrosion - CORROSITEX, Source: Conclusion by analogy)

Data on substances:

Toluene:

irritating
(Species: Rabbit, Method: OECD 404, Source: ECHA)

11.1.4 Serious eye damage/eye irritation

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances:

Toluene:

No eye irritation (Species: Rabbit, Method: OECD 405, Source: ECHA)

11.1.5 Respiratory or skin sensitization

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Product details:

Exposure routes	Result
Inhalation	No data available.

Data on substances:

Toluene:

Exposure routes	Result
Skin contact	Does not cause skin sensitization. (Species: Guinea pig, Test system: Maximisation Test, Method: OECD 406, Source: ECHA)

11.1.6 Germ cell mutagenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances:

Toluene:

negative (Metabolic activation: with and without metabolic activation, Test system: mutation assay (in vitro) / mouse lymphoma cells, Method: OECD 476, Source: ECHA)
negative (Metabolic activation: with and without metabolic activation, Test system: mutation assay (in vitro) / bacterial cells, Method: OECD 471, Source: ECHA)
negative (Test system: chromosome aberration assay (in vivo), Species: Rat, Application Route: Intraperitoneal, Cell type: bone marrow cells, Source: ECHA)

11.1.7 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Reproductive toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances

Toluene:

The substance can possibly impair the unborn child in humans.

11.1.9 Specific target organ toxicity - single exposure

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances:

Toluene:

Result/Effect
Exposure routes: by inhalation target organs: Central nervous system Vapours may be narcotising. Source: ECHA

11.1.10 Specific target organ toxicity - repeated exposure

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Data on substances:

Toluene:

Target organs in animal experiments: Central nervous system.

11.1.11 Aspiration hazard

Assessment:

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

Data on substances:

Toluene:

Product can pose an aspiration hazard.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

11.2.2 Further toxicological information

In contact with dampness product separates a small quantity of n-butylamine (109-73-9) which irritates skin, mucous membranes and respiratory system.

SECTION 12: Ecological information

12.1 Toxicity

Assessment:

For the product as a whole, no test data is available. D4 is an unavoidable contamination in the manufacture of silicone polymers and leads to adverse effects on aquatic organisms under laboratory conditions. The release of D4 from a polysiloxane matrix is limited thermodynamically by the partition equilibrium silicone/water. Thus, only that portion of the D4 content that gets into the aqueous phase contributes to the environmental hazard of the overall product. For the classification according to the summation method this is being considered applying correction factors.

12.2 Persistence and degradability

Assessment:

Polymer component: biologically not degradable. Elimination by adsorption to activated sludge.

12.3 Bioaccumulative potential

Assessment:

Polymer component: No adverse effects expected.

12.4 Mobility in soil

Assessment:

Polymer component: insoluble in water.

12.5 Results of PBT and vPvB assessment

PBT assessment
No data available.

vPvB Assessment
No data available.

12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

none known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Material

Recommendation:
Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

13.1.2 Uncleaned packaging

Recommendation:
Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

13.1.3 Waste Disposal Legislation Ref.No.(EC)

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

SECTION 14: Transport information

14.1 UN number or ID number

ADR .....: UN1993
RID.....: UN1993
IMDG.....: UN1993
ICAO/IATA .....: UN1993

14.2 Proper shipping name

ADR .....: Entzündbarer flüssiger Stoff, n.a.g. (Toluen, Methylbutylaminosilan)
ADR (Domestic transport regulations)....: Flammable liquid, n.o.s (toluene, methylbutylaminosilane)
RID.....: Entzündbarer flüssiger Stoff, n.a.g. (Toluen, Methylbutylaminosilan)
RID (Domestic transport regulations).....: Flammable liquid, n.o.s (toluene, methylbutylaminosilane)
IMDG.....: Flammable liquid, n.o.s. (toluene, methylbutylaminosilane)
ICAO/IATA .....: Flammable liquid, n.o.s. (toluene, methylbutylaminosilane)

14.3 Transport hazard class

ADR .....: 3
(Limited quantity (LQ): 1L)
RID.....: 3
IMDG.....: 3
ICAO/IATA .....: 3

14.4 Packing group

ADR .....: II
RID.....: II
IMDG.....: II
ICAO/IATA .....: II

14.5 Environmental hazards

Environmentally hazardous: no
Marine pollutant (IMDG): no

14.6 Special precautions for user

Relevant information in other sections has to be considered.

14.7 Maritime transport in bulk according to IMO instruments

Bulk transport in tankers is not intended.

SECTION 15: Regulatory information

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

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

Control of Major Accident Hazards Regulations 2015 (COMAH)

Listed in Directive	Ser. number in list	Qualifying Quantity 1	Qualifying Quantity 2
FLAMMABLE LIQUIDS	P5c	5.000 t	50.000 t

Relevant regulations:
SI 2002/1689: CHIP Regulations 2002
SI 2002/2677: COSHH Regulations 2002
SI 1999/3242: Management of Health & Safety at Work Regulations 1999
Health & Safety at Work Act 1974
SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.
Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

Other specifications, restrictions and prohibitions:

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): This product contains toluene in an amount of over 0.1 wt.%. Annex XVII, entry 48, of regulation 1907/2006, in its current version, must be taken into account.

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX I. RESTRICTED EXPLOSIVES PRECURSORS: Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX II. REPORTABLE EXPLOSIVES PRECURSORS: Not applicable

Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

New Zealand	:	**NZIoC** (New Zealand Inventory of Chemicals): This product is listed in, or complies with, the substance inventory. (For a correct interpretation of the New Zealand status, additional information like GHS classification or Group Standard is required.)
Australia	:	**AIIC** (Australian Inventory of Industrial Chemicals): This product is listed in, or complies with, the substance inventory.
China	:	**IECSC** (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.
Philippines	:	**PICCS** (Philippine Inventory of Chemicals and Chemical Substances): This product is listed in, or complies with, the substance inventory.
United States of America (USA)	:	**TSCA** (Toxic Substance Control Act Chemical Substance Inventory): All components of this product are listed as active or are in compliance with the substance inventory.
Taiwan	:	**TCSI** (Taiwan Chemical Substance Inventory): This product is listed in, or complies with, the substance inventory. General note: The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.
European Economic Area (EEA)	:	**REACH** (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.
South Korea (Republic of Korea)	:	**AREC** (Act on Registration and Evaluation of Chemicals; “K-REACH”): Please approach your regular contact for more detailed information.

15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

SECTION 16: Other information

16.1 Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

WACKER restricts the use of its products inside the human body or in contact with bodily fluids and mucosa. For further details please review our Health Care Policy on www.wacker.com. WACKER may cancel any delivery obligation(s) if the Health Care Policy is not observed.

16.2 Further information:

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

Key or legend to abbreviations and acronyms used in the safety data sheet

ABEK - Multi-Range Filter A, B, E, K; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; APF - Assigned Protection Factor; CAS No. - Chemical Abstracts Service Registry Number; DFG - German Research Foundation; DIN - German institute for standardization; DOC - Dissolved Organic Carbon; d/w - days per week; EC / CE / EG - European Community; EC50 / CE50 - Median effective concentration; ECHA - European Chemicals Agency; ED - endocrine disruptor; EG-RL - test method according to Regulation 440/2008; EN - European Standard; ERC - Environmental Release Category; g/cm³ -

gram per cubic centimeter; h - hour(s); H-Code - hazard statement code(s); hPa - Hectopascal; IATA Regs - International Air Transport Association (IATA) Dangerous Goods Regulations;IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;IC50 / CI50 - half maximal inhibitory concentration;IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IMDG Code - International Maritime Dangerous Goods Code; ISO - International Organization for Standardization; LC50 / CL50 - medium lethal concentration; LD50 / DL50 - medium lethal dose; LOAEC - Lowest Observed Adverse Effect Concentration; LOAEL - Lowest Observed Adverse Effect Level; MARPOL - International Convention for the Prevention of Marine Pollution from Ships; mg/g - milligrams per gram; mg/kg - milligrams per kilogram; mg/l - milligrams per liter; mg/m³ - milligrams per cubic meter; min - minutes; mJ - millijoule; mm - millimeter; mm²/s - square millimeter per second; mPa.s - Millipascal second(s); MSDS / SDB / SDS - safety data sheet; No Observed Adverse Effect Concentration; NOAEL - No Observed adverse effect level; NOEC - No Observed Effect Concentration; NOEL - No Observed Effect Level; OECD - Organization for Economic Cooperation and Development; PBT - persistent, bioaccumulative, toxic; PC - product category; P-Code - precautionary statement code(s); ppm - parts per million; PROC - process category; RCP - reciprocal calculation-based procedure; RID - convention concerning international carriage by rail; SU - sector of use; SVHC - substance of very high concern; Vol% - volume percent; UN No. - United Nations Dangerous Goods Number; vPvB - very Persistent, very Bioaccumulative

Full text of H-Statements:

Asp. Tox. 1; H304.....	:	Aspiration hazard Category 1; May be fatal if swallowed and enters airways.
Skin Irrit. 2; H315.....	:	Skin corrosion/irritation Category 2; Causes skin irritation.
STOT SE 3; H336.....	:	Specific target organ toxicity - single exposure Category 3; May cause drowsiness or dizziness.
STOT RE 2; H373	:	Specific target organ toxicity - repeated exposure Category 2; May cause damage to organs through prolonged or repeated exposure.
Repr. 2; H361d	:	Reproductive toxicity Category 2; Suspected of damaging the unborn child.
Flam. Liq. 2; H225	:	Flammable liquids Category 2; Highly flammable liquid and vapour.
Aquatic Chronic 3; H412	:	Long-term (chronic) aquatic hazard Category 3; Harmful to aquatic life with long lasting effects.
Acute Tox. 4; H302....	:	Acute toxicity Category 4; Harmful if swallowed.
Skin Corr. 1B; H314...	:	Skin corrosion/irritation Category 1B; Causes severe skin burns and eye damage.
Eye Dam. 1; H318	:	Serious eye damage/eye irritation Category 1; Causes serious eye damage.

Classification	Rationale:
Flammable liquids, Category 2	On basis of test data.
Skin corrosion/irritation, Category 2	On basis of test data.
Serious eye damage/eye irritation, Category 1	Calculation method
Reproductive toxicity, Category 2	Calculation method
Specific target organ toxicity - single exposure, Category 3	Calculation method
Specific target organ toxicity - repeated exposure, Category 2	Calculation method
Long-term (chronic) aquatic hazard, Category 3	Calculation method

- End of Safety Data Sheet -