

according 1907/2006/EG, Article 31
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier**
 Tradename: Debubblizer-SI
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Use of substance / preparation: Industrial.
 elastomer products
- 1.3 Details of the supplier of the safety data sheet**
Manufacturer/Supplier: al dente Dentalprodukte GmbH
 Street / mailbox: Borsigstr. 1
 Country code. / postal code / city: D - 38644 Goslar
 Phone: 0 53 21 / 80031
 Fax: 0 53 21 / 50881
 E-mail / Website: info@aldente.de / www.aldente.de
 Further information obtainable from: al dente Dentalprodukte GmbH
- 1.4 Emergency telephone number**
 al dente Dentalprodukte GmbH: +49 (0) 53 21 / 80031 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Hazard class	Hazard category	Route of exposure	H-Code
Flammable liquids	Category 2		H225
Serious eye damage / eye irritation	Category 2		H319
Chronic aquatic toxicity	Category 2		H411
Acute aquatic toxicity	Category 1		H400

2.2 Label elements

Pictograms:



Signal word:

Danger

H-Code	Hazard Statements
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic 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.
P280	Wear protective gloves/protective clothing/eye protection.
P273	Avoid release to the environment.
P243	Take action to prevent static discharges.
P312	Call a POISON CENTER/doctor if you feel unwell.
P403+P235	Store in a well-ventilated place. Keep cool.

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Hazard ingredients (labelling):
Isopropanol

2.3 Other hazards: No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances Not applicable

3.2 Mixtures

3.2.1 Chemical characteristics: Polydimethylsiloxane with functional groups + solvent

3.2.2 Hazardous ingredients

Type	CAS No.	Material	Content %
INHA	107-46-0	Hexamethyldisiloxane	>75
INHA	67-63-0	Isopropanol	>10 – <20
INHA	27306-78-1	Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxany]propoxy]-	<3
VERU	96-14-0	3-Methylpentane	<0,5
VERU	107-83-5	2-Methylpentane	<0,5

Type: INHA: ingredient, VERU: impurity

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Remove contaminated clothes at once. Where there is a risk of unconsciousness place and transport on one side in a stable position.

After contact with the eyes:

Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.

After contact with the skin:

Wash with plenty of water or soap and water; immediately remove all contaminated clothing. In cases of sickness seek medical advice (show label if possible).

After inhalation:

Move to fresh air, keep the victim laying down and restful. If breathing has stopped, give artificial respiration. If unconscious place in stable sideways position. 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 immediately and produce the label or packaging.

4.2 Most important symptoms and effects, both acute and delayed:

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

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4.3 Indication of any immediate medical attention and special treatment needed: Further toxicology information in section 11 must be observed.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents: Alcohol-resistant foam , carbon dioxide , water mist , sprinkler system , sand , extinguishing powder.

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

5.2 Special hazards arising from the substance or mixture: Risk of hazardous gasses or fumes in the event of fire. Exposure to combustion products may be a health hazard! Hazardous combustion products: toxic and very toxic fumes.

5.3 Advice for firefighters
Special protective equipment for firefighting: Use respiratory protection independent of recirculated air. Keep unprotected persons away.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. If material is released indicate risk of slipping. Do not walk through spilled material.

6.2 Environmental precautions: Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

6.3 Methods and material for containment and cleaning up: Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. For small amounts: Absorb with a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. For large amounts: Liquids may be recovered using suction devices or pumps. If flammable, only air driven or properly rated electrical equipment should be used. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Silicone fluids are slippery; spills are a safety hazard. Apply sand or other inert granular material to improve traction.

Further information: Exhaust vapours. Consider explosion protection. Eliminate all sources of ignition. Observe notes under section 7.

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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:	Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Spilled substance increases risk of slipping. Observe information in section 8. Ensure adequate ventilation. Must be syphoned off in situ.
	Precautions against fire and explosion:	Flammable vapours may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.
7.2	Conditions for safe storage, including any incompatibilities	
	Conditions for storage rooms and vessels:	Observe local/state/federal regulations.
	Advice for storage of incompatible materials:	Observe local/state/federal regulations.
	Further information for storage:	Store in a dry and cool place. Store container in a well ventilated place.
7.3	Specific end use(s):	No data available.

SECTION 8: Exposure controls/personal protection

8.1	Control parameters	-
8.2	Exposure controls:	
8.2.1	Exposure in the work place limited and controlled	
	General protection and hygiene measures:	Observe standard industrial hygiene practices for the handling of chemical substances. Avoid contact with eyes and skin. Preventive skin protection recommended. Remove contaminated, soaked clothing immediately. Clean work areas regularly. Provide emergency shower and eye-bath. Do not eat, drink or smoke when handling.

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

Eye protection:

Tight fitting protective goggles.

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 nitrile rubber
 thickness of the material: > 0,4 mm
 Breakthrough time: > 480 min
 Recommended glove types: Protective gloves made of butyl rubber
 thickness of the material: > 0,3 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.

Skin protection:

If handled uncovered: Chemical protective clothing, full-body liquid-tight protection if necessary. Please observe the instructions regarding permeability time which are provided by the supplier. Antistatic protective clothing and shoes.

8.2.2 Exposure to the environment limited and controlled:

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

8.3 Further information for system design and engineering measures:

Observe information in section 7. Observe regulations for protection against explosion.

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SECTION 9: Physical and chemical properties

9.1	Information on basic physical and chemical properties	Value:	Method
	Property:		
	Appearance:		
	Physical state:	liquid	
	Colour:	colourless	
	Odour:	faint	
	Odour limit:	no data available	
	pH:	Not applicable. Product displays neutral reaction with water.	
	Melting point/Freezing point	not determined	
	Boiling point/Boiling range:	100 °C at 1013 hPa	
	Flash point:	3 °C	(not specified)
	Evaporation rate:	no data available	
	Upper/lower flammability or explosive limits		
	Lower explosion limit (LEL):	2,0 Vol-%	
	Upper explosion limit (UEL):	12 Vol-%	
	Vapour pressure:	175 hPa / 50 °C	
	Vapour pressure:	44 hPa / 20 °C	
	Solubility(ies)		
	Water solubility / miscibility:	virtually insoluble	
	Vapour density		
	Relative gas/vapour density:	No data known.	
	Relative Density:	0,77 (23 °C) (Water / 4 °C = 1,00)	
	Density:	0,77 g/cm ³ (23 °C)	
	Partition coefficient: n-octanol/water:	No data known.	
	Auto-ignition temperature		
	Ignition temperature:	325 °C	(not specified)
	Decomposition temperature		
	Thermal decomposition:	not applicable	
	Viscosity (dynamic):		
	Viscosity (kinematic):	0,7 mm ² /s at 25 °C	
	Molecular mass:	not applicable	
9.2	Other information:	No data available.	

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:	Heat, open flames, and other sources of ignition.
10.5	Incompatible materials:	None known.
10.6	Hazardous decomposition products:	If stored and handled properly: none known. 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 toxicological effects

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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:

Hexamethyldisiloxane:

Route of exposure	Result/Effect	Species/Test system	Source
Oral	LD50: > 16 mL/kg	Rat	test report
dermal	LD50: > 2000 mg/kg Neither mortality nor clinical signs of toxicity were observed with the given dose.	Rabbit	test report OECD 402
by inhalation (vapour)	LC50: 106 mg/l = 16000 ppm; 4 h	Rat	test report OECD 403

Isopropanol:

Route of exposure	Result/Effect	Species/Test system	Source
Oral	LD50: > 5000 mg/kg	Rat	ECHA
dermal	LD50: > 5000 mg/kg	Rabbit	ECHA
by inhalation (vapour)	LC50: > 10000 ppm; 6 h	Rat	ECHA OECD 403

11.1.3 Skin corrosion/irritation Assessment: For this endpoint no toxicological test data is available for the whole product.

Data on substances:

Hexamethyldisiloxane:

Result/Effect	Species/Test system	Source
No skin irritation	Rabbit	test report OECD 404

Isopropanol:

Result/Effect	Species/Test system	Source
No skin irritation	not specified	literature

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:

Hexamethyldisiloxane:

Result/Effect	Species/Test system	Source
No eye irritation	Rabbit	test report OECD 405

Isopropanol:

Result/Effect	Species/Test system	Source
irritating	Rabbit	ECHA

11.1.5 Respiratory or skin sensitization

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

Data on substances:
Hexamethyldisiloxane:

Route of exposure	Result/Effect	Species/Test system	Source
dermal	Does not cause skin sensitisation.	Voluntary persons; Human skin patch test	test report

Isopropanol:

Route of exposure	Result/Effect	Species/Test system	Source
dermal	Does not cause skin sensitisation.	Guinea-pig; Bühler	ECHA OECD 406

11.1.6 Germ cell mutagenicity

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

Data on substances:

Hexamethyldisiloxane:

Result/Effect	Species/Test system	Source
negative	mutation assay (in vitro) bacterial cells	test report OECD 471
negative	mutation assay (in vitro) mammalian cells	test report OECD 476
negative	chromosome aberration assay (in vitro) mammalian cells	test report OECD 473
negative	chromosome aberration assay (in vivo) Rat (Sprague Dawley) Intraperitoneal; bone marrow cells	test report OECD 475

11.1.7 Carcinogenicity

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

Data on substances:

Hexamethyldisiloxane: Animal tests have not revealed any carcinogenic effects.

Result/Effect	Species/Test system	Source
NOAEC: >= 33,2 mg/l NOAEC = NOAEC (carcinogenic effects relevant for humans)	carcinogenicity study Rat (Fischer F344) by inhalation (vapour) 2 a; 5 d/w; 6 hours/day	test report OECD 453

11.1.8 Reproductive toxicity

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

Data on substances:

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Hexamethyldisiloxane:

Animal tests have shown no indications of possibility of damage to embryo and impairment of fertility.

Result/Effect (Examinations of fertility disruption)	Species/Test system	Source
NOAEC: >= 33,2 mg/l NOAEC = NOAEC (fertility)	Two-generation study Rat (Sprague-Dawley) by inhalation (vapour) ; 7 d/w; 6 hours/day	test report EPA OPPTS 870.3800+870.6300

Result/Effect (Examinations of developmental toxicity and teratogenicity)	Species/Test system	Source
NOAEC (developmental): 10,6 mg/l NOAEC (maternal): >= 33,2 mg/l Symptoms/Effect: Pups: lack of habituation	Reproduction and Fertility Effects + Developmental Neurotoxicity Study Rat (Sprague Dawley) by inhalation (vapour) ; 7 d/w; 6 hours/day	test report EPA OPPTS 870.3800+870.6300

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:

Isopropanol:

Route of exposure	Result/Effect	Source
by inhalation	Target organs: Central nervous system Vapours may be narcotising.	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:

Hexamethyldisiloxane:

In animal experiments with repeated exposure no effects with relevance for humans were observed.

Result/Effect	Species/Test system	Source
NOAEL: >= 1000 mg/kg NOAEL = NOAEL (relevant to humans)	Subacute study Rat Oral (gavage) 28 d	test report OECD 407
NOAEL: >= 1000 mg/kg NOAEL = NOAEL (relevant to humans)	Subacute study Rat Dermal 28 d; 5 d/w; 6 hours/day	test report OECD 410
NOAEC: > 33,2 mg/l NOAEC = NOAEC (relevant to humans)	chronic study Rat 2 a; 5 d/w; 6 hours/day	test report OECD 453

11.1.11 Aspiration hazard

Assessment:

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

11.1.12 Further toxicological information

Data on substances:

Hexamethyldisiloxane:

May cause skin irritation at prolonged/repeated contact with the product.

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SECTION 12: Ecological information

12.1 Toxicity

Assessment:

For the product as a whole, no test data is available.

Data on substances:

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

Hexamethyldisiloxane:

Very toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

Result/Effect	Species/Test system	Source
LC50: 0,46 mg/l (measured)	dynamic rainbow trout (<i>Oncorhynchus mykiss</i>) (96 h)	test report OECD 203
EC50: > 0,37 mg/l (measured)	static <i>Daphnia magna</i> (48 h)	test report OECD 202
IC10 (growth rate): 0,14 mg/l (measured)	static <i>Selenastrum capricornutum</i> (95 h)	test report OECD 201
IC50 (growth rate): > 0,55 mg/l (measured)	static <i>Selenastrum capricornutum</i> (95 h)	test report OECD 201
EC50 (respiratory inhibition): >= 100 mg/l (nominal)	static sludge (3 h)	test report OECD 209
NOEC: >= 0,04 mg/l (measured)	dynamic carp (<i>Cyprinus carpio</i>) (56 d)	test report OECD 305
NOEC (reproduction): 0,08 mg/l (measured)	semistatic <i>Daphnia magna</i> (21 d)	test report OECD 211

Isopropanol:

Result/Effect	Species/Test system	Source
LC50: > 9640 mg/l	dynamic minnow (<i>Pimephales promelas</i>) (96 h)	ECHA
EC50: > 10000 mg/l	static <i>Daphnia magna</i> (48 h)	ECHA
IC0: 1800 mg/l	static <i>Scenedesmus quadricauda</i> (7 d)	ECHA

12.2 Persistence and degradability

Assessment:

For the product as a whole, no test data is available. Organic solvent: readily biologically degradable.

Data on substances:

Hexamethyldisiloxane:

The substance is degradable in abiotic processes.

Biodegradation:

Result	Test system/Method	Source
2 % / 28 d Not readily biodegradable.	biological oxygen demand (BOD)	test report OECD 301C

Hydrolysis:

Result	Test system	Source
Half-life: 1,47 h	pH 5; 24,8 °C	test report OECD 111
Half-life: 120 h	pH 7; 24,7 °C	test report OECD 111
Half-life: 12,4 h	pH 9; 24,8 °C	test report OECD 111

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**Isopropanol:
 Biodegradation:**

Result	Test system/Method	Source
readily biodegradable	biological oxygen demand (BOD)	ECHA

12.3 Bioaccumulative potential

Assessment: For the product as a whole, no test data is available.

Data on substances:

Hexamethyldisiloxane: Under experimental conditions the substance showed an increased potential for bioaccumulation.

Result/Effect	Species/Test system	Source
Bioconcentration factor (BCF): 1290 - 2410	carp (Cyprinus carpio) (70 d; 0,04 mg/l)	no data available
Bioconcentration factor (BCF): 776 - 1660	carp (Cyprinus carpio) (70 d; 0,004 mg/l)	no data available

12.4 Mobility in soil

Assessment: No data known.

Data on substances:

**Hexamethyldisiloxane:
 adsorption - desorption:**

Result	Test system/Method	Source
log Koc: 2,53	Berechnung	no data available

12.5 Results of PBT and vPvB assessment: No data available.

Data on substances:

Hexamethyldisiloxane: The substance does not fulfill the PBT criteria. The substance does not fulfill the vPvB criteria.

Isopropanol: This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects: none known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Material

Recommendation: Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

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. Uncleaned packaging should be treated with the same precautions as the material.

SECTION 14: Transport information

14.1 - UN number; UN proper shipping name; Transport hazard class(es); Packing group

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Road ADR:

Valuation: Dangerous Goods
14.1 UN no.: 1993
14.2 Proper Shipping Name: Entzündbarer flüssiger Stoff, n.a.g. (Enthält Hexamethyldisiloxan und 2-Propanol)
14.3 Class: 3
14.4 Packaging Group: II

Railway RID:

Valuation: Dangerous Goods
14.1 UN no.: 1993
14.2 Proper Shipping Name: Flammable liquid, n.o.s. (Contains hexamethyldisiloxane and 2-propanol)
14.3 Class: 3
14.4 Packaging Group: II

Transport by sea IMDG-Code:

Valuation: Dangerous Goods
14.1 UN no.: 1993
14.2 Proper Shipping Name: Flammable liquid, n.o.s. (Contains hexamethyldisiloxane and 2-propanol)
14.3 Class: 3
14.4 Packaging Group: II

Air transport ICAO-TI/IATA-DGR:

Valuation: Dangerous Goods
14.1 UN no.: 1993
14.2 Proper Shipping Name: Flammable liquid, n.o.s. (Contains hexamethyldisiloxane and 2-propanol)
14.3 Class: 3
14.4 Packaging Group: II

14.5 Environmental hazards

Hazardous to the environment: yes
Marine Pollutant (IMDG): yes

14.6 Special precautions for user: Relevant information in other sections has to be considered.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: 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.

15.2 Details of international registration status

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

Japan:	ENCS (Handbook of Existing and New Chemical Substances): This product is listed in, or complies with, the substance inventory.
Australia:	AICS (Australian Inventory of Chemical Substances): This product is listed in, or complies with, the substance inventory.

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People's Republic of China:	IECSC (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.
Canada:	DSL (Domestic Substance List): 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 WACKER contact for more detailed information.

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.

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.