WACKER

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

Material: 10001494 **PRIMER G 795** ***SAMPLE**

Version 4.1 (GB) Print Date 03.07.2024 Date of last alteration: 12.04.2024

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

1.1 Product identifier

Commercial product name: **PRIMER G 795** ***SAMPLE**

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

Use of substance / preparation:
Industrial. Commercial.
Intermediate chemical

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

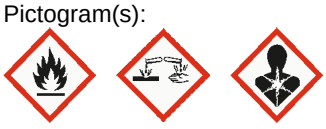
Classification (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567):

Classification	H-Code
Flammable liquids, Category 3	H226
Aspiration hazard, Category 1	H304
Serious eye damage/eye irritation, Category 1	H318

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
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.

P-Code	Precautionary Statements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/ eye protection/ face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331	Do NOT induce vomiting.

Hazard ingredients (labelling):
aliphatic and naphthenic hydrocarbons

Titanium tetrabutanolate
C7 - C9 Isoalkanes

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 4 %.

Code	Additional Labelling
EUH066	Repeated exposure may cause skin dryness or cracking.

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

silane and siloxane with functional groups + auxiliary + solvent

3.2.2 Hazardous ingredients

aliphatic and naphthenic hydrocarbons			>=50 – <80 %
CAS-No.: 64742-48-9	EC-No.: 265-150-3		
INHA	[1]	REACH No.: 01-2119457273-39	
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 EUH066		

Titanium tetrabutanolate			>=3 – <5 %
CAS-No.: 5593-70-4	EC-No.: 227-006-8		
INHA	[1]	REACH No.: 01-2119967423-33	
Classification (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567) *	Skin Irrit. 2 / H315; Flam. Liq. 3 / H226; Eye Dam. 1 / H318; STOT SE 3 / H335; STOT SE 3 / H336		

Tetraethyl silicate			>=3 – <5 %
CAS-No.: 78-10-4	EC-No.: 201-083-8	Index-No.: 014-005-00-0	
INHA	[1], [2]	REACH No.: 01-2119496195-28	
Classification (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567) *	Flam. Liq. 3 / H226; Acute Tox. 4, by inhalation / vapour / H332; Eye Irrit. 2 / H319; STOT SE 3 / H335		

C7 - C9 Isoalkanes			>=1 – <3 %
CAS-No.: 90622-56-3	EC-No.: 292-458-5		
INHA	[1]	REACH No.: 01-2119471305-42	
Classification (REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567) *	Skin Irrit. 2 / H315; Flam. Liq. 2 / H225; STOT SE 3 / H336; Asp. Tox. 1 / H304; Aquatic Chronic 2 / H411		

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

*Classification codes are explained in section 16.

Hydrocarbon mixtures were classified in accordance with the applicable notes in Annex VI of Regulation (EC) No. 1272/2008.

Regarding CAS no. 90622-56-3: This substance can also be described by CAS no. 64741-66-8.

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.

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. Continue to bathe eyes during transport to medical practitioner. Seek medical advice immediately 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

Further toxicology information in section 11 must be observed.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:
water mist , extinguishing powder , alcohol-resistant 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

Risk of hazardous gasses or fumes in the event of fire.

5.3 Advice for firefighters

Special protective equipment for fire fighting:
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

Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling mists and vapours.

6.2 Environmental precautions

Prevent material from entering sewers or surface waters. 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

Take up mechanically and dispose of according to local/state/federal regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations.

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:
Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. Ensure adequate ventilation. Must be syphoned off in situ. Keep away from incompatible substances in accordance with section 10.

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. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging.

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:
Protect against moisture. Keep container tightly closed and store in a cool, well ventilated place. Do not store together with oxidizing agents like peroxides etc.

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
Tetraethyl silicate	OEL	87,0	10,0		
Tetraethyl silicate	EU	44,0	5,0		
Ethanol	OEL	1920,0	1000,0		
1-Butanol	OEL				

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Derived No-Effect Level (DNEL):

Tetraethyl silicate

Area of use:	Value:
Worker; dermal; systemic (acute)	12,1 mg/kg/day
Worker; dermal; systemic (long term)	12,1 mg/kg/day
Worker; by inhalation; systemic (acute)	85 mg/m³
Worker; by inhalation; local (acute)	85 mg/m³
Worker; by inhalation; systemic (long term)	85 mg/m³
Worker; by inhalation; local (long term)	85 mg/m³
Consumer; dermal; systemic (acute)	8,4 mg/kg/day
Consumer; dermal; systemic (long term)	8,4 mg/kg/day
Consumer; by inhalation; systemic (acute)	25 mg/m³
Consumer; by inhalation; local (acute)	25 mg/m³
Consumer; by inhalation; systemic (long term)	25 mg/m³
Consumer; by inhalation; local (long term)	25 mg/m³

Predicted No Effect Concentration (PNEC):

Tetraethyl silicate

Area of use:	Value:
freshwater	0,192 mg/l The value has been derived for the following hydrolysis product: ethanol
marine water	0,0192 mg/l The value has been derived for the following hydrolysis product: ethanol
Sediment (freshwater)	0,18 mg/kg wet weight The value has been derived for the following hydrolysis product: ethanol
Sediment (marine water)	0,018 mg/kg wet weight The value has been derived for the following hydrolysis product: ethanol
Soil	0,05 mg/kg wet weight The value has been derived for the following hydrolysis product: ethanol
sewage treatment plant	4000 mg/l The value has been derived for the following hydrolysis product: ethanol
Intermittent release	10 mg/l The value has been derived for the following hydrolysis product: ethanol

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 breathe vapours. Do not eat, drink or smoke when handling. Keep away from foodstuff, drink and feedingstuff.

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

tight fitting protective goggles, according to acknowledged standards such as EN 166. Provide work station with eye bathing equipment (according to acknowledged standards such as EN 15154).

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Property:	Value:	Method:
Physical state	liquid	
Colour	yellowish	
Odour	of hydrocarbon	
Odour Threshold	no data available	
Melting point	exempt	
Boiling point/boiling range	183 °C at 1013 hPa	(EU-GL.A.2)
Lower explosion limit	0,6 Vol-%	
Upper explosion limit	9 Vol-%	
Flash point	25 °C	(DIN 51755)
Ignition temperature	240 °C	(DIN 51794)
Thermal decomposition	no data available	
pH	Not applicable. Insoluble in water.	
Viscosity, kinematic	no data available	
Viscosity, dynamic	2 mPa.s at 23 °C	(DIN 51562)
Water solubility	practically insoluble	
Solubility in other solvents	totally miscible with common organic solvents	
Partition coefficient: n-octanol/water	not applicable	
Vapour pressure	42 hPa at 50 °C	
Vapour pressure	26 hPa at 38 °C	
Vapour pressure	12 hPa at 20 °C	
Density	0,79 g/cm³ (25 °C; 1013 hPa)	(DIN 12791)
Relative vapour density	no data available	
Particle Size Distribution	Not applicable.	

9.2 Other information

Explosion limits for released ethanol: 3.5 - 15%(V).

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, heat, open flames, and other sources of ignition.

10.5 Incompatible materials

Reacts with: acids , water and alkalis . The reaction takes place with the formation of alcohols.

10.6 Hazardous decomposition products

If stored and handled properly: none known. Butanol and ethanol under the effect of humidity.

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} (by inhalation / vapour): > 20 mg/l/4 h

Data on substances:

C7 - C9 Isoalkanes:

Exposure routes	Result/Effect
Oral	LD50 > 5000 mg/kg Species: Rat, Source: ECHA
dermal	LD50 > 2000 mg/kg Species: Rabbit, Source: literature
by inhalation (vapour)	LC50 > 21 mg/l; 4 h Mortality has been observed at the given dose level. Species: Rat, Source: ECHA

aliphatic and naphthenic hydrocarbons:

Exposure routes	Result/Effect
Oral	LD50 > 15000 mg/kg Species: Rat, Sex: male and female, Test substance: read-across substance, Method: OECD 423, Source: ECHA
dermal	LD50 > 5000 mg/kg Species: Rabbit, Sex: male and female, Test substance: read-across substance, Method: OECD 402, Source: ECHA

by inhalation (vapour)	LC50 > 5,6 mg/l; 4 h At the technically highest possible concentration no mortality in animal test. Species: Rat, Sex: male and female, Test substance: read-across substance, Method: OECD 403, Source: ECHA

11.1.3 Skin corrosion/irritation

Assessment:

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

Data on substances:

C7 - C9 Isoalkanes:

irritating
(Species: not specified, Source: ECHA)

aliphatic and naphthenic hydrocarbons:

No skin irritation
(Species: Rabbit, Test system: semi-occlusive, Method: OECD 404, Test substance: read-across substance, 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:

C7 - C9 Isoalkanes:

No eye irritation
(Species: Rabbit, Source: ECHA)

aliphatic and naphthenic hydrocarbons:

No eye irritation
(Species: Rabbit, Method: OECD 405, Test substance: read-across substance, Source: ECHA)

11.1.5 Respiratory or skin sensitisation

Assessment:

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

Data on substances:

C7 - C9 Isoalkanes:

Exposure routes	Result
Skin contact	Does not cause skin sensitisation. (Species: Guinea pig, Test system: Maximisation Test, Test substance: read-across substance, Source: ECHA)

aliphatic and naphthenic hydrocarbons:

Exposure routes	Result
Skin contact	Does not cause skin sensitisation. (Species: Guinea pig, Test system: Maximisation Test, Test substance: read-across substance, 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.

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.

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:

C7 - C9 Isoalkanes:

Vapours may be narcotising.

11.1.10 Specific target organ toxicity - repeated exposure

Assessment:

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

11.1.11 Aspiration hazard

Assessment:

Product can pose an aspiration hazard.

Data on substances:

C7 - C9 Isoalkanes:

Product can pose an aspiration hazard.

aliphatic and naphthenic hydrocarbons:

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

According to documentation n-butanol (71-36-3) is irritating to mucous membranes, slightly irritating to skin, degreases skin, has narcotic effects.

Data on substances:

Product of hydrolysis (Ethanol):

Ethanol (64-17-5) is readily absorbed at all exposure routes. Ethanol may cause irritation of eyes and mucosa, trigger dysfunction of the central nervous system and cause nausea as well as dizziness. Chronic exposure to high amounts of ethanol may cause damage to liver and central nervous system.

SECTION 12: Ecological information

12.1 Toxicity

Assessment:

No data known.

12.2 Persistence and degradability

Assessment:

Organic solvent: readily biologically degradable. The hydrolysis product is readily biologically degradable.

12.3 Bioaccumulative potential

Assessment:

No data known.

12.4 Mobility in soil

Assessment:

Insoluble in water.

12.5 Results of PBT and 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:
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.

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. (Enthält Tetraethylsilicat und Tetrabutyltitanat)
ADR (Domestic transport regulations)	:	Flammable liquid, n.o.s (Contains tetraethyl silicate and tetrabutyl titanate)
RID	:	Entzündbarer flüssiger Stoff, n.a.g. (Enthält Tetraethylsilicat und Tetrabutyltitanat)
RID (Domestic transport regulations)	:	Flammable liquid, n.o.s (Contains tetraethyl silicate and tetrabutyl titanate)
IMDG	:	Flammable liquid, n.o.s. (Contains tetraethyl silicate and tetrabutyl titanate)

ICAO/IATA..... : Flammable liquid, n.o.s. (Contains tetraethyl silicate and tetrabutyl titanate)

14.3 Transport hazard class

ADR..... : 3
(Limited quantity (LQ): 5L)
RID..... : 3
IMDG..... : 3
ICAO/IATA..... : 3

14.4 Packing group

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

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.

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

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.

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

Explanation of the GHS classification code:

Asp. Tox. 1; H304..... : Aspiration hazard Category 1; May be fatal if swallowed and enters airways.
EUH066..... : Repeated exposure may cause skin dryness or cracking.
Skin Irrit. 2; H315..... : Skin corrosion/irritation Category 2; Causes skin irritation.
Flam. Liq. 3; H226 ..... : Flammable liquids Category 3; Flammable liquid and vapour.
Eye Dam. 1; H318 ..... : Serious eye damage/eye irritation Category 1; Causes serious eye damage.
STOT SE 3; H335..... : Specific target organ toxicity - single exposure Category 3; May cause respiratory irritation.
STOT SE 3; H336..... : Specific target organ toxicity - single exposure Category 3; May cause drowsiness or dizziness.
Flam. Liq. 3; H226 ..... : Flammable liquids Category 3; Flammable liquid and vapour.
Acute Tox. 4; H332.... : Acute toxicity Category 4; Harmful if inhaled.
Eye Irrit. 2; H319..... : Serious eye damage/eye irritation Category 2; Causes serious eye irritation.
STOT SE 3; H335..... : Specific target organ toxicity - single exposure Category 3; May cause respiratory irritation.
Skin Irrit. 2; H315..... : Skin corrosion/irritation Category 2; Causes skin irritation.
Flam. Liq. 2; H225 ..... : Flammable liquids Category 2; Highly flammable liquid and vapour.
STOT SE 3; H336..... : Specific target organ toxicity - single exposure Category 3; May cause drowsiness or dizziness.
Asp. Tox. 1; H304..... : Aspiration hazard Category 1; May be fatal if swallowed and enters airways.
Aquatic Chronic 2; H411 : Long-term (chronic) aquatic hazard Category 2; Toxic to aquatic life with long lasting effects.

Classification	Rationale:
Flammable liquids, Category 3	On basis of test data.
Aspiration hazard, Category 1	On basis of test data.
Serious eye damage/eye irritation, Category 1	Calculation method

- End of Safety Data Sheet -