WACKER

Safety Data Sheet (1907/2006/EC)

Material: 60080586 **ELASTOSIL® AUX G 3243**

Revision Date: 17.04.2026 / Version 5.9 (IE)
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial product name: **ELASTOSIL® AUX G 3243**

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.
Raw material for: elastomer products .

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	
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**
Emergency medical information: 8 am-10 pm (seven days)	National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland	+353 (0)1 809 2166

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008:

Classification	H-Code
Specific target organ toxicity - repeated exposure, Category 2 (hearing organs)	H373
Specific target organ toxicity - single exposure, Category 3	H335
Long-term (chronic) aquatic hazard, Category 2	H411
Specific target organ toxicity - single exposure, Category 3	H336
Serious eye damage/eye irritation, Category 2	H319
Skin corrosion/irritation, Category 2	H315
Flammable liquids, Category 2	H225

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008:

Pictogram(s):



Signal Word: Danger

H-Code	Hazard Statements
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs (hearing organs) through prolonged or repeated exposure.
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.
P243	Take action to prevent static discharges.
P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311	Call a POISON CENTER/ doctor.

Hazard ingredients (labelling):
C7 - C9 Isoalkanes
Xylene, mixed isomers

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 1,7 %.

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 + silane + solvent

3.2.2 Hazardous ingredients

C7 - C9 Isoalkanes			>=25 – <50 %
CAS-No.: 90622-56-3		EC-No.: 292-458-5	
INHA	[1]	REACH No.: 01-2119471305-42	
Classification according to Regulation (EC) No. 1272/2008*		Aquatic Chronic 2 / H411; Asp. Tox. 1 / H304; STOT SE 3 / H336; Flam. Liq. 2 / H225; Skin Irrit. 2 / H315	

Xylene, mixed isomers			>=10 – <30 %
CAS-No.: 1330-20-7		EC-No.: 215-535-7	Index-No.: 601-022-00-9
INHA	[1], [2]	REACH No.: 01-2119488216-32	
Classification according to Regulation (EC) No. 1272/2008*		Eye Irrit. 2 / H319; Skin Irrit. 2 / H315; Acute Tox. 4, dermal / H312; Acute Tox. 4, by inhalation / vapour / H332; Flam. Liq. 3 / H226; STOT RE 2 / H373 (hearing organs); STOT SE 3 / H335; Aquatic Chronic 3 / H412; Asp. Tox. 1 / H304	

Ethyl benzene			>=5 – <10 %
CAS-No.: 100-41-4		EC-No.: 202-849-4	Index-No.: 601-023-00-4
VERU	[1], [2]		
Classification according to Regulation (EC) No. 1272/2008*		Aquatic Chronic 3 / H412; STOT RE 2 / H373 (hearing organs); Asp. Tox. 1 / H304; Flam. Liq. 2 / H225; Acute Tox. 4, by inhalation / vapour / H332	

Tetraethyl silicate			>=1 – <3 %
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 according to Regulation (EC) No. 1272/2008*		Flam. Liq. 3 / H226; Acute Tox. 4, by inhalation / vapour / H332; Eye Irrit. 2 / H319; STOT SE 3 / H335	

Titanium tetrabutanolate			>=1 – <2 %
CAS-No.: 5593-70-4		EC-No.: 227-006-8	
INHA	[1]	REACH No.: 01-2119967423-33	
Classification according to Regulation (EC) No. 1272/2008*		STOT SE 3 / H336; STOT SE 3 / H335; Skin Irrit. 2 / H315; Flam. Liq. 3 / H226; Eye Dam. 1 / H318	

Toluene			>=0,1 – <0,2 %
CAS-No.: 108-88-3		EC-No.: 203-625-9	Index-No.: 601-021-00-3
VERU	[1], [2]		
Classification according to Regulation (EC) No. 1272/2008*		Asp. Tox. 1 / H304; Skin Irrit. 2 / H315; STOT SE 3 / H336; STOT RE 2 / H373; Aquatic Chronic 3 / H412; Repr. 2 / H361d; Flam. Liq. 2 / H225	

Octamethylcyclotetrasiloxane			>=0,01 – <0,025 %
CAS-No.: 556-67-2		EC-No.: 209-136-7	Index-No.: 014-018-00-1
VERU	[1], [3], [4]		
Classification according to Regulation (EC) No. 1272/2008*		Repr. 2 / H361f; Aquatic Chronic 1 / H410; Flam. Liq. 3 / H226 M-Factor, Chronic = 10	

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.

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. 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

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

Hazardous decomposition products: ethanol . Heavy soot formation during combustion.

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). Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling mists and vapours.

6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Inform authorities if substance leaks into surface waters, sewerage or ground. 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. 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. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. 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:
Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. Ensure adequate ventilation. Must be syphoned off in situ.

Precautions against fire and explosion:
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. Cool endangered containers with water.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:
Make sure there is no possibility of entering the ground.

Advice for storage of incompatible materials:
Observe local/state/federal regulations. Do not store together with oxidizing agents like peroxides etc.

Further information for storage:
Keep container tightly closed and store in a cool, well ventilated place. 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
Xylene	EU	221,0	50,0		
Ethyl benzene	EU	442,0	100,0		
Tetraethyl silicate	EU	44,0	5,0		
Toluene	EU	192,0	50,0		
Aerosol - inhalable fraction		10,0			

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Xylene: the short-time value of the EU threshold is 442 mg/m3 (= 100 ppm); the substance can be absorbed by the skin.
Ethyl benzene: the short-time value of the EU threshold is 884 mg/m3 (=200 ppm); the substance can be absorbed by the skin.
Toluene: STEL (EU) is 384 mg/m3 (=100 ppm), can be absorbed through the skin.
The aerosol limit specified is a recommendation should aerosol be formed during processing.

Derived No-Effect Level (DNEL):

C7 - C9 Isoalkanes

Area of use:	Value:
Worker; dermal; systemic (long term)	773 mg/kg/day
Worker; by inhalation; systemic (long term)	2035 mg/m³
Consumer; dermal; systemic (long term)	699 mg/kg/day
Consumer; by inhalation; systemic (long term)	608 mg/m³
Consumer; oral; systemic (long term)	699 mg/kg/day

Xylene, mixed isomers

Area of use:	Value:
Worker; by inhalation; systemic (long term)	221 mg/m³
Worker; by inhalation; systemic (acute)	442 mg/m³
Worker; by inhalation; local (long term)	221 mg/m³

Worker; by inhalation; local (acute)	442 mg/m³
Worker; dermal; systemic (long term)	212 mg/kg bw/day
Consumer; by inhalation; systemic (long term)	65,3 mg/m³
Consumer; by inhalation; systemic (acute)	260 mg/m³
Consumer; by inhalation; local (long term)	65,3 mg/m³
Consumer; by inhalation; local (acute)	260 mg/m³
Consumer; dermal; systemic (long term)	125 mg/kg bw/day
Consumer; oral; systemic (long term)	2,5 mg/kg bw/day

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

Titanium tetrabutanolate

Area of use:	Value:
Worker; by inhalation; systemic (long term)	127 mg/m³
Consumer; by inhalation; systemic (long term)	38 mg/m³
Consumer; oral; systemic (long term)	3,75 mg/kg bw/day
Consumer; dermal; systemic (long term)	37,5 mg/kg bw/day

Predicted No Effect Concentration (PNEC):

C7 - C9 Isoalkanes

Area of use:	Value:
General	A regular PNEC could not be derived.

Xylene, mixed isomers

Area of use:	Value:
freshwater	0,044 mg/l
Intermittent release	0,01 mg/l
marine water	0,004 mg/l
Sediment (freshwater)	2,52 mg/kg dry mass
Sediment (marine water)	0,252 mg/kg dry mass
sewage treatment plant	1,6 mg/l
Soil	0,852 mg/kg dry mass

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

Titanium tetrabutanolate

Area of use**:**	Value**:**
freshwater	0,08 mg/l
marine water	0,008 mg/l
Sediment (freshwater)	0,0687 mg/kg dry mass
Sediment (marine water)	0,0069 mg/kg dry mass
Intermittent release	2,25 mg/l
sewage treatment plant	65 mg/l
Soil	0,0168 mg/kg dry mass

Further information:
Maximum concentration at workplace recommended by producer: octamethylcyclotetrasiloxane (D4, CAS no. 556-67-2) = 10 ppm (123 mg/m^3).

8.2 Exposure controls

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:
Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. Keep away from foodstuff, drink and feedingstuff. When handling do not eat, drink, smoke or apply cosmetics. Wash hands at the end of work and before eating.

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	colourless	
Odour	strong	
Odour Threshold	no data available	
Melting point	not determined	
Boiling point/boiling range	116 - 145 °C at 1013 hPa	(EU-GL.A.2)
Lower explosion limit	0,9 Vol-%	(not specified)
Upper explosion limit	7,6 Vol-%	(not specified)
Flash point	7 °C	(ISO 13736)
Ignition temperature	400 °C	(DIN 51794)
Thermal decomposition	exempt	
pH	Not applicable. Insoluble in water.	
Viscosity, kinematic	700 mm²/s at 23 °C	(DIN 51562)
Water solubility	practically insoluble	
Partition coefficient: n-octanol/water	not applicable	
Vapour pressure	5 hPa at 20 °C	(DIN 13016-3)
Density	0,85 g/cm³ (20 °C)	(DIN 51757)
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:
Sustained combustibility	< 23 °C	(ISO 9038)
Evaporation rate	no data available	
Molecular weight	not applicable	
synthetic polymer microparticles / Regulation (EC) No 1907/2006 (EU REACH)	The product does not contain synthetic polymer microparticles.	

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

oxidizing agents , acids , water and alkalis .

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
ATE_{mix} (dermal): > 2000 mg/kg
ATE_{mix} (Oral): > 2000 mg/kg

Data on substances:

Xylene, mixed isomers:

Exposure routes	Result/Effect
Oral	LD50 3523 mg/kg Species: Rat, Sex: male, Method: OECD 401, Source: ECHA
Oral	LD50 > 4000 mg/kg Species: Rat, Sex: female, Method: OECD 401, Source: ECHA
dermal	LD50 > 4200 mg/kg Species: Rabbit, Sex: male, Source: ECHA
by inhalation (vapour)	LC50 27,6 mg/l / 6350 ppm; 4 h Species: Rat, Sex: male, Test substance: read-across substance, Method: OECD 403, Source: ECHA

Ethyl benzene:

Exposure routes	Result/Effect
Oral	LD50 3500 mg/kg Species: Rat, Sex: male and female, Source: ECHA
Oral	LD50 5460 mg/kg Species: Rat, Sex: male, Source: ECHA
dermal	LD50 15400 mg/kg Species: Rabbit, Sex: male, Source: ECHA
by inhalation (vapour)	LC50 17,8 mg/l; 4 h Species: Rat, Sex: male, Source: ECHA

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

11.1.3 Skin corrosion/irritation

Assessment:

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

Data on substances:

Xylene, mixed isomers:

irritating (Species: Rabbit, Source: ECHA)

Ethyl benzene:

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

C7 - C9 Isoalkanes:

irritating (Species: not specified, 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:

Xylene, mixed isomers:

mildly irritating (Species: Rabbit, Source: ECHA)

Ethyl benzene:

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

C7 - C9 Isoalkanes:

No eye irritation (Species: Rabbit, 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:

Xylene, mixed isomers:

Exposure routes	Result
Skin contact	Does not cause skin sensitization. (Species: Mouse, Test system: Local lymph node assay (LLNA), Method: OECD 429, Source: ECHA)

Ethyl benzene:

Exposure routes	Result
Skin contact	Does not cause skin sensitization. (Species: Voluntary persons, Test system: Human skin patch test, Source: ECHA)

C7 - C9 Isoalkanes:

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

Xylene, mixed isomers:

negative (Test system: mutation assay (in vitro) / bacterial cells, Method: OECD 471, Source: ECHA)
negative (Test system: chromosome aberration assay (in vitro) / mammalian cells, Source: ECHA)
negative (Test system: mutation assay (in vitro) / yeast cells, Method: OECD 480, Source: ECHA)
negative (Test system: Rodent Dominant Lethal Test, Species: Mouse, Method: OECD 478, Source: ECHA)

Ethyl benzene:

negative (Test system: mutation assay (in vitro) / mouse lymphoma cells, Method: OECD 476, Source: ECHA)
negative (Test system: chromosome aberration assay (in vitro) / mammalian cells, Method: OECD 473, Source: ECHA)
negative (Test system: DNA repair assay (in vivo), Species: Mouse, Strain: B6C3F1, Sex: male and female, Application Route: by inhalation, Cell type: liver cells, Method: OECD 486, Source: ECHA)
negative (Test system: chromosome aberration assay (in vivo), Species: Mouse, Sex: male, Application Route: Oral, Cell type: erythrocytes, Method: OECD 474, Source: ECHA)

11.1.7 Carcinogenicity

Assessment:

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

Data on substances:

Ethyl benzene:

NOAEC: 250 ppm (target organs: Testes, Kidney, Symptoms/Effect: Neoplasia, adenomas, Test system: carcinogenicity study, Species: Rat, Strain: Fischer F344, Sex: male and female, Application Route: by inhalation, Route of administration: vapour, Test period: 2 a, Frequency of Treatment: 5 d/w, hours/day: 6, Method: OECD 453, Source: ECHA)
NOAEC: 250 ppm (target organs: Liver, Lungs, Symptoms/Effect: Neoplasia, Test system: carcinogenicity study, Species: Mouse, Strain: B6C3F1, Sex: male and female, Application Route: by inhalation, Route of administration: vapour, Test period: 2 a, Frequency of Treatment: 5 d/w, hours/day: 6, Method: OECD 453, Source: ECHA)

11.1.8 Reproductive toxicity

Assessment:

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

Data on substances

Ethyl benzene:

Reproductive Toxicity/Development/Teratogenicity
NOAEC (developmental): 500 ppm NOAEC (maternal toxicity): 500 ppm (Test system: Developmental Toxicity Study, Species: Rat, Strain: Sprague-Dawley, Sex: male and female, Application Route: by inhalation, Frequency of Treatment: day 6 - 18 of gestation, Method: OECD 414, Source: ECHA)

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:

Xylene, mixed isomers:

Vapours may be narcotising. Irritation of respiratory organs possible.

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:

In case an aspiration hazard is based on ingredients, this can be seen from the classification and labeling of the whole product.

Data on substances:

Xylene, mixed isomers:

Product can pose an aspiration hazard.

Ethyl benzene:

Product can pose an aspiration hazard.

C7 - C9 Isoalkanes:

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.

Data on substances:

Xylene, mixed isomers:

No data available.

Ethyl benzene:

No data available.

11.2.2 Further toxicological information

None known.

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:

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

Data on substances:

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

Xylene, mixed isomers:

Result/Effect	Species/Test system	Source
LC50: 2,6 mg/l	Oncorhynchus mykiss (rainbow trout) (96 h)	ECHA (read-across substance) OECD 203
EC50: 1 mg/l see user defined free text	static test Daphnia magna (Water flea) (24 h)	ECHA (read-across substance) OECD 202
ErC50: 4,36 mg/l	Pseudokirchneriella subcapitata (green algae) (73 h)	ECHA (read-across substance) OECD 201
NOEC (Growth rate): 0,44 mg/l	Pseudokirchneriella subcapitata (green algae) (73 h)	ECHA (read-across substance) OECD 201
NOEC (Respiration inhibition): 157 mg/l	activated sludge (3 h)	ECHA (read-across substance) OECD 209
NOEC (lethal and sub-lethal effects): 0,714 mg/l (measured)	flow-through test Danio rerio (zebra fish) (35 d)	ECHA (read-across substance) OECD 210

Ethyl benzene:

Result/Effect	Species/Test system	Source
LC50: 4,2 mg/l	semi-static test Oncorhynchus mykiss (rainbow trout) (96 h)	ECHA OECD 203
LC50: 9,6 mg/l	static test Poecilia reticulata (guppy) (96 h)	ECHA OECD 203
EC50: 1,8 - 2,4 mg/l (measured)	static test Daphnia magna (Water flea) (48 h)	ECHA
EC50: 2,6 mg/l (measured)	flow-through test Mysid shrimp (96 h)	ECHA
ErC50: 3,6 mg/l (measured)	static test Pseudokirchneriella subcapitata (green algae) (96 h)	ECHA
ErC50: 7,7 mg/l (measured)	static test Skeletonema costatum (marine diatom) (96 h)	ECHA
EC50 (Respiration inhibition): 600 mg/l	activated sludge (0,5 h)	ECHA OECD 209

NOEC (reproduction rate): 0,96 mg/l (measured)	semi-static test Ceriodaphnia dubia (water flea) (7 d)	ECHA
LC50 (mortality): 3,6 mg/l (measured)	semi-static test Ceriodaphnia dubia (water flea) (7 d)	ECHA

12.2 Persistence and degradability

Assessment:

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

Data on substances:

Xylene, mixed isomers:

Biodegradation:

Result	Test system/Method	Source
87,8 % / 28 d Readily biodegradable.	no data available	ECHA (read-across substance) OECD 301F

Ethyl benzene:

Biodegradation:

Result	Test system/Method	Source
70 - 80 % / 28 d Readily biodegradable.	no data available	ECHA OECD 310
100 % / 6 d Readily biodegradable.	no data available	ECHA OECD 301E

12.3 Bioaccumulative potential

Assessment:

Polymer component: No adverse effects expected.

Data on substances

Ethyl benzene:

Result/Effect	Species/Test system	Source
Bioconcentration factor (BCF): 1	Oncorhynchus kisutch (coho salmon)	ECHA

12.4 Mobility in soil

Assessment:

Polymer component: insoluble in water.

12.5 Results of PBT and vPvB assessment

PBT assessment
Product does not contain substances which are persistent, bioaccumulative, and toxic (PBT) at levels of 0.1% or higher.

vPvB Assessment
Product does not contain substances which are very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Data on substances:

Xylene, mixed isomers:

PBT assessment
No data available.

vPvB Assessment
No data available.

Ethyl benzene:

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.

Data on substances:

Xylene, mixed isomers:

No data available.

Ethyl benzene:

No data available.

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. Small quantities may be disposed of by incineration in an approved facility. 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. (C7-C9 Isoalkane, Triethoxyvinylsilan)
ADR (Domestic transport regulations)	:	Flammable liquid, n.o.s (C7-C9 isoalkanes, triethoxyvinylsilane)
RID	:	Entzündbarer flüssiger Stoff, n.a.g. (C7-C9 Isoalkane, Triethoxyvinylsilan)
RID (Domestic transport regulations)	:	Flammable liquid, n.o.s (C7-C9 isoalkanes, triethoxyvinylsilane)
IMDG	:	Flammable liquid, n.o.s. (C7-C9 isoalkanes, triethoxyvinylsilane)
ICAO/IATA	:	Flammable liquid, n.o.s. (C7-C9 isoalkanes, triethoxyvinylsilane)

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: yes
Marine pollutant (IMDG): yes

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.

Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III):

Listed in Directive	Ser. number in list	Qualifying Quantity 1	Qualifying Quantity 2
FLAMMABLE LIQUIDS	P5c	5.000 t	50.000 t
ENVIRONMENTAL HAZARDS	E2	200 t	500 t

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

REACh Annex XVII: For this product, entry 3 of Annex XVII to Regulation 1907/2006, as amended, must be taken into account.

REACh 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.

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

Full text of H-Statements:

Aquatic Chronic 2; H411 : Long-term (chronic) aquatic hazard Category 2; Toxic to aquatic life with long lasting effects.
Asp. Tox. 1; H304 .....: Aspiration hazard Category 1; May be fatal if swallowed and enters airways.
STOT SE 3; H336 .....: Specific target organ toxicity - single exposure Category 3; May cause drowsiness or dizziness.
Flam. Liq. 2; H225.....: Flammable liquids Category 2; Highly flammable liquid and vapour.
Skin Irrit. 2; H315 .....: Skin corrosion/irritation Category 2; Causes skin irritation.
Eye Irrit. 2; H319 .....: Serious eye damage/eye irritation Category 2; Causes serious eye irritation.
Skin Irrit. 2; H315 .....: Skin corrosion/irritation Category 2; Causes skin irritation.
Acute Tox. 4; H312 ....: Acute toxicity Category 4; Harmful in contact with skin.
Acute Tox. 4; H332 ....: Acute toxicity Category 4; Harmful if inhaled.
Flam. Liq. 3; H226.....: Flammable liquids Category 3; Flammable liquid and vapour.
STOT RE 2; H373.....: Specific target organ toxicity - repeated exposure Category 2; May cause damage to organs through prolonged or repeated exposure.
STOT SE 3; H335 .....: Specific target organ toxicity - single exposure Category 3; May cause respiratory irritation.
Aquatic Chronic 3; H412 : Long-term (chronic) aquatic hazard Category 3; Harmful to aquatic life with long lasting effects.
Asp. Tox. 1; H304 .....: Aspiration hazard Category 1; May be fatal if swallowed and enters airways.
Aquatic Chronic 3; H412 : Long-term (chronic) aquatic hazard Category 3; Harmful to aquatic life with long lasting effects.
STOT RE 2; H373.....: Specific target organ toxicity - repeated exposure Category 2; May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1; H304 .....: Aspiration hazard Category 1; May be fatal if swallowed and enters airways.
Flam. Liq. 2; H225.....: Flammable liquids Category 2; Highly flammable liquid and vapour.
Acute Tox. 4; H332 ....: Acute toxicity Category 4; Harmful if inhaled.
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.
STOT SE 3; H336 .....: Specific target organ toxicity - single exposure Category 3; May cause drowsiness or dizziness.
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. 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.
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.
Aquatic Chronic 3; H412 : Long-term (chronic) aquatic hazard Category 3; Harmful to aquatic life with long lasting effects.
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.
Repr. 2; H361f.....: Reproductive toxicity Category 2; Suspected of damaging fertility.
Aquatic Chronic 1; H410 : Long-term (chronic) aquatic hazard Category 1; Very toxic to aquatic life with long lasting effects.
Flam. Liq. 3; H226.....: Flammable liquids Category 3; Flammable liquid and vapour.

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

- End of Safety Data Sheet -