

**Safety Data Sheet**

Material: 60080586

ELASTOSIL® AUX G 3243

Version 3.6 (US)

Print Date 11/16/2022

Date of last alteration: 11/09/2022

**1. Product and company identification****1.1 Identification of the substance or preparation:**

**Trade name** ELASTOSIL® AUX G 3243  
**Product group:** Primer  
**Use of the Substance/Mixture** Industrial. Commercial.  
 Raw material for: elastomer products .

**1.2 Company/undertaking identification:**

**Manufacturer/distributor:** Wacker Chemie AG  
 Hanns-Seidel-Platz 4  
 81737 München  
 Germany

**Customer information:** Wacker Chemical Corporation  
 4950 S State Road  
 Ann Arbor, MI 48108  
 InfoLine:  
 Tel (517) 264-8240  
 Hours of operation:  
 Monday - Friday, 8 am to 5 pm (eastern standard time)  
 Corporate website: www.wacker.com

**Emergency telephone no. (24h):** (517) 264-8500

**Transportation emergency:** (800) 424-9300 (CHEMTREC, USA)  
 (703) 527-3887 (CHEMTREC, international)

This SDS was prepared by the Regulatory Affairs and Product Safety Department (RAPS) of Wacker Chemical Corporation.

**2. Hazards identification****2.1 Classification of the substance or mixture****Classification (GHS):**

Classification	H-Code
Flammable liquids, Category 2	H225
Skin corrosion/irritation, Category 2	H315
Specific target organ toxicity - repeated exposure, Category 2	H373
Specific target organ toxicity - single exposure, Category 3	H335
Reproductive toxicity, Category 2	H361d
Carcinogenicity, Category 2	H351
Serious eye damage/eye irritation, Category 2A	H319
Specific target organ toxicity - single exposure, Category 3	H336
Long-term (chronic) aquatic hazard, Category 2	H411
Short-term (acute) aquatic hazard, Category 2	H401

**2.2 Label elements****Labelling (GHS):**

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.

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H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
P-Code	Precautionary statements
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P273	Avoid release to the environment.
P261	Avoid breathing vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P391	Collect spillage.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to waste disposal.

## 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.

## 3. Composition/information on ingredients

### 3.1 Chemical characterization (preparation)

Chemical characterization
Polydimethylsiloxane+silane+solvent

### 3.2 Information on ingredients:

Type	CAS-No.	Substance	Content [wt. %]		Note
			Lower	Upper	
INHA	90622-56-3	C7 - C9 Isoalkanes	>25.0		
INHA	1330-20-7	Xylene		<30.0	
VERU	100-41-4	Ethyl benzene		<10.0	C1
INHA	78-10-4	Ethyl silicate		<3.0	
INHA	5593-70-4	Organotitanium compound		<2.0	
VERU	108-88-3	Toluene	>0.1	<0.2	R

**Type:** HYD - by-product upon hydrolysis, INHA - ingredient, NEBE - by-product, MONO - residual monomer, VERU - impurity, VUL - by-product upon vulcanization. **\*\*\* Note:** C1 - IARC carcinogen, C2 - NTP carcinogen, C3 - OSHA carcinogen, NH - non-hazardous, R - reproductive toxin.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product. Specific chemical identities and/or exact percentage (concentration) of the composition may have been withheld as a trade secret.

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

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**4. First-aid measures****4.1 General information:**

Get medical attention immediately. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

**4.2 If inhaled**

If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.

**4.3 In case of skin contact**

For skin contact, immediately wipe away excess material. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water.

**4.4 In case of eye contact**

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

**4.5 If swallowed**

If swallowed, do not induce vomiting. Danger of aspiration. Get medical attention immediately. Show label if possible.

**4.6 Advice for the physician**

Pump out stomach by intubation.

**5. Fire-fighting measures****5.1 Flammable properties:**

<b>Property:</b>	<b>Value:</b>	<b>Method:</b>
Flash point.....	7 °C (45 °F)	(ISO 13736)
Sustained combustibility.....	< 23 °C (< 73 °F)	(ISO 9038)
Boiling point/boiling range .....	116 - 145 °C (241 - 293 °F) at 1013 hPa	
Lower explosion limit.....	0.9 %(V)	
Upper explosion limit.....	7.6 %(V)	
Ignition temperature .....	400 °C (752 °F)	(DIN 51794)
NFPA Hazard Class (comb./flam.liquid).....	IB	

**5.2 Fire and explosion hazards:**

Warning! Flammable liquid and vapor. Consider possible formation of explosive mixtures with air, for example in uncleaned containers. Material decomposes under fire conditions giving off toxic materials. Never use welding or cutting torch on or near any container of this material, even if empty, because an explosion could occur. Electrostatic charging is possible.

**5.3 Recommended extinguishing media:**

carbon dioxide , dry chemical or alcohol-resistant foam .

**5.4 Unsuitable extinguishing media:**

Water.

**5.5 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Hazardous decomposition products: carbon dioxide , carbon monoxide , formaldehyde , silicon dioxide and incompletely burnt hydrocarbons . Heavy soot formation during combustion.

**5.6 Fire fighting procedures:**

Cool endangered containers with water. Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

**6. Accidental release measures****6.1 Precautions:**

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

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HAZWOPER PPE Level: C

**6.2 Containment:**

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.

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

**6.3 Methods for 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.

**6.4 Further information:**

Eliminate all sources of ignition.

**7. Handling and storage****7.1 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 Storage****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.

**8. Exposure controls and personal protection****8.1 Engineering controls****Ventilation:**

General ventilation sufficient to provide 1 CFM per square foot of floor area or 6 room air exchanges per hour is recommended.

**Local exhaust:**

Local exhaust ventilation which meets the requirements of ANSI Z9.2 is recommended to control airborne contaminants at the point of use.

**8.2 Associate substances with specific control parameters such as limit values****Maximum airborne concentrations at the workplace:**

Substance	Type	mg/m <sup>3</sup>	ppm	Dust fract.
Xylene	OSHA PEL	435.0	100.0	
Tetraethyl silicate	OSHA PEL	850.0	100.0	
Ethanol	OSHA PEL	1,900.0	1,000.0	
1-Butanol	OSHA PEL	300.0	100.0	
Ethyl benzene	OSHA PEL	435.0	100.0	
Toluene	OSHA PEL		200.0	
Xylene	ACGIH TWA		100.0	
Tetraethyl silicate	ACGIH TWA		10.0	
1-Butanol	ACGIH TWA		20.0	

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Ethyl benzene	ACGIH TWA	20.0	
Toluene	ACGIH TWA	20.0	

Re Xylene (CAS no. 1330-20-7): STEL is 150 ppm, carcinogenicity: A4 (ACGIH).

Re Ethanol (CAS no. 64-17-5): STEL is 1000 ppm; carcinogenicity: A3 (ACGIH).

Re 1-Butanol (CAS-no. 71-36-3): ceiling is 50 ppm, skin notation (NIOSH).

Re Ethyl benzene (CAS no. 100-41-4): carcinogenicity A3 (ACGIH).

Re Toluene (CAS-no. 108-88-3): carcinogenicity: A4 (ACGIH); ceiling is 300 ppm, maximum peak is 500 ppm for a duration of 10 minutes (OSHA Table Z-2).

**8.3 Personal protection equipment (PPE)****Respiratory protection:**

In case of long or strong exposure use a NIOSH approved respirator for: organic vapors . Alternatively use a positive pressure, air-supplied respirator (regard TLV).

**Hand protection:**

Protective gloves made of fluorinated rubber

**Eye protection:**

chemical safety goggles

**Other protective clothing or equipment:**

protective clothing to cover exposed areas of arms, legs and torso

**8.4 General hygiene and protection measures:**

Preventive skin protection recommended. Do not breathe dust/vapor/mist/gas/aerosol. Do not get in eyes, on skin or on clothing. Do not eat, drink or smoke when handling. Wash thoroughly after handling. Keep working clothes separately.

**9. Physical and chemical properties****9.1 Appearance**

Physical state .....: liquid  
 Colour .....: colourless  
 Odour .....: strong

**9.2 Safety data**

Property:	Value:	Method:
Melting point.....:	not determined	
Boiling point/boiling range .....	116 - 145 °C (241 - 293 °F) at 1013 hPa	
Flash point.....:	7 °C (45 °F)	(ISO 13736)
Sustained combustibility.....:	< 23 °C (< 73 °F)	(ISO 9038)
Ignition temperature .....	400 °C (752 °F)	(DIN 51794)
Lower explosion limit.....:	0.9 %(V)	
Upper explosion limit.....:	7.6 %(V)	
Vapour pressure.....:	5 hPa / 20 °C (68 °F)	
Density .....	0.85 g/cm <sup>3</sup> at 20 °C (68 °F)	(DIN 51757)
Water solubility.....:	practically insoluble	
pH .....	Not applicable. Insoluble in water.	
Partition coefficient: n-octanol/water .....	not applicable	
Viscosity, kinematic.....:	700 mm <sup>2</sup> /s	(DIN 51562)

**9.3 Further information**

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

Odour Threshold .....: no data available

Thermal decomposition.....: exempt

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## 10. Stability and reactivity

### 10.1 General information:

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

### 10.2 Conditions to avoid

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

### 10.3 Materials to avoid

oxidizing agents , acids , water and alkalis .

### 10.4 Hazardous decomposition products

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

### 10.5 Further information:

Hazardous polymerization cannot occur.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### 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<sub>mix</sub> (Oral): > 5000 mg/kg

ATE<sub>mix</sub> (by inhalation / vapour): > 20 mg/l/4 h

ATE<sub>mix</sub> (dermal): > 5000 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

#### 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)

#### 11.1.4 Serious eye damage/eye irritation

##### Assessment:

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

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**Data on substances:****Xylene, mixed isomers:**

mildly irritating (Species: Rabbit, Source: ECHA)
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**11.1.5 Respiratory or skin sensitisation****Assessment:**

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

**Data on substances:****Xylene, mixed isomers:**

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

**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:****Xylene, mixed isomers:**

Vapours may be narcotising. Irritation of respiratory organs possible.

**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.

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**Data on substances:****Xylene, mixed isomers:**

Product can pose an aspiration hazard.

**11.1.12 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.

**11.1.13 Further toxicological information**

Ethyl benzene has been classified by IARC as carcinogen group 2B ("possibly carcinogenic to humans"). No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Other information: None known.

**Data on substances:****aliphatic and naphthalene hydrocarbons:**

According to literature aliphatic hydrocarbons are slightly irritating to the skin and mucuous membranes and have a skin drying and narcotic effect. If the lungs are directly affected (e.g. by aspiration), inflammation of the lungs may occur.

**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.

**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.

**Xylene:**

Result/Effect	Species/Test system	Source
LC50: 2.6 mg/l	Oncorhynchus mykiss (rainbow trout) (96 h)	ECHA (read-across substance) OECD 203
EC50: 3.82 mg/l	Daphnia magna (Water flea) (48 h)	ECHA (read-across substance) OECD 202
EC50: 4.36 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): > 1.3 mg/l	Oncorhynchus mykiss (rainbow trout) (56 d)	ECHA
NOEC (reproduction rate): 1.57 mg/l	Daphnia magna (Water flea) (21 d)	ECHA (read-across substance) OECD 211



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## 12.2 Persistence and degradability

### Assessment:

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

### Data on substances:

#### Xylene:

#### Biodegradation:

Result	Test system/Method	Source
87.8 % / 28 d Readily biodegradable.	no data available	ECHA (read-across substance) OECD 301F

#### Product of hydrolysis (Ethanol):

Ethanol is readily biodegradable.

## 12.3 Bioaccumulative potential

### Assessment:

Polymer component: No adverse effects expected.

## 12.4 Mobility in soil

### Assessment:

Polymer component: insoluble in water.

## 12.5 Results of PBT and vPvB assessment

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.

## 12.7 Other adverse effects

none known

## 13. Disposal considerations

### 13.1 RCRA Waste Classification:

D001 (Ignitable)

This classification applies only to the material as it was originally produced.

### 13.2 Product disposal

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.

### 13.3 Packaging disposal

Recommendation:

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

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**14. Transport information****14.1 US DOT & CANADA TDG SURFACE**

Valuation ..... : Dangerous Goods  
 Proper Shipping Name ..... : Flammable liquid, n.o.s.  
 Technical name ..... : (contains C7-C9 isoalkanes and triethoxyvinylsilane)  
 Class ..... : 3  
 UN no. .... : 1993  
 Packaging Group ..... : II  
 Label ..... : \*\*TL:flammable liquid/3  
 NAERG Guide ..... : 128  
 Other Information ..... : The Fish & Tree marine pollutant mark is required on bulk containers in ground transportation, and on both bulk and non-bulk containers when shipping by water.

**14.2 Transport by sea IMDG-Code**

Valuation ..... : Dangerous Goods  
 Class ..... : 3  
 Packaging Group ..... : II  
 UN no. .... : 1993  
 Proper Shipping Name ..... : Flammable liquid, n.o.s.  
 Technical name ..... : (contains C7-C9 isoalkanes and triethoxyvinylsilane)  
 Marine Pollutant ..... : yes

**14.3 Air transport ICAO-TI/IATA-DGR**

Valuation ..... : Dangerous Goods  
 Class ..... : 3  
 UN no. .... : 1993  
 Proper Shipping Name ..... : Flammable liquid, n.o.s.  
 Technical name ..... : (contains C7-C9 isoalkanes and triethoxyvinylsilane)  
 Packaging Group ..... : II

**15. Regulatory information****15.1 U.S. Federal regulations****TSCA inventory status and TSCA information:**

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

**TSCA 12(b) Export Notification:**

This material does not contain reportable amounts of any TSCA 12(b) listed chemicals.

**CERCLA Regulated Chemicals:**

CAS-No.	Chemical	RQ	Upper limit wt. %
1330-20-7	Xylene	100 lbs	20.235
100-41-4	Ethyl benzene	1,000 lbs	6.745

**SARA 302 EHS Chemicals:**

This material does not contain any SARA extremely hazardous substances.

**SARA 311/312 Hazard Class:**

Carcinogenicity. Reproductive toxicity. Skin corrosion or irritation. Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure). Flammable (gases, aerosols, liquids, or solids)

**SARA 313 Chemicals:**

CAS-No.	Chemical	Upper limit wt. %
1330-20-7	Xylene	20.235
100-41-4	Ethyl benzene	6.745

SARA 313 information included on this SDS should be included in all SDSs that are copied from and distributed for this material.

**HAPS (Hazardous Air Pollutants):**

CAS-No.	Chemical	Upper limit wt. %
1330-20-7	Xylene	<=26.2500

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100-41-4	Ethyl benzene	<=8.7500
108-88-3	Toluene	<=0.1425
110-54-3	n-Hexane	<=0.0012
71-43-2	Benzene	<=0.0002

**15.2 U.S. State regulations****California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):**

California Proposition 65 Carcinogens:

100-41-4 Ethyl benzene  
71-43-2 Benzene

California Proposition 65 Reproductive Toxins:

108-88-3 Toluene  
71-43-2 Benzene

**Massachusetts Substance List:**

112945-52-5 Silica, amorphous, fumed  
78-10-4 Ethyl silicate  
1330-20-7 Xylene  
100-41-4 Ethyl benzene

**Pennsylvania Right-to-Know Hazardous Substance List:**

112945-52-5 Silica, amorphous, fumed  
78-10-4 Ethyl silicate  
1330-20-7 Xylene  
100-41-4 Ethyl benzene  
11099-06-2 Poly(tetraethoxysilane)

**15.3 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.

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**16. Other information****16.1 Additional information:**

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Vertical lines in the left-hand margin indicate changes compared with the previous version.

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](http://www.wacker.com). WACKER may cancel any delivery obligation(s) if the Health Care Policy is not observed.

**16.2 Glossary of Terms:**

ACGIH - American Conference of Governmental Industrial Hygienists

DOT - Department of Transportation

hPa - Hectopascals

mPa\*s - Milli Pascal-Seconds

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

ppm - Parts per Million

SARA - Superfund Amendments and Reauthorization Act

STEL - Short Term Exposure Limit

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average

<b>Flash point determination methods</b> .....	<b>Common name</b>
ASTM D56.....	Tagliabue (Tag) closed cup
ASTM D92, DIN 51376, ISO 2592 .....	Cleveland open cup
ASTM D93, DIN 51758, ISO 2719 .....	Pensky-Martens closed cup
ASTM D3278, DIN 55680, ISO 3679 .....	Setaflash or Rapid closed cup
DIN 51755.....	Abel-Pensky closed cup

**16.3 Conversion table:**

Pressure:.....: 1 hPa \* 0.75 = 1 mm Hg = 1 torr; 1 bar = 1000 hPa

Viscosity:.....: 1 mPa\*s = 1 centipoise (cP)