

**Safety Data Sheet**

Material: 60003726

**ELASTOSIL® E41  
TRANSPARENT**

Version: 2.4 (US)

Date of print: 09/27/2022

Date of last alteration: 11/16/2019

**1. Product and company identification****1.1 Identification of the substance or preparation:****Commercial product name:** ELASTOSIL® E41  
TRANSPARENTUse of substance / preparation: Industrial.  
Adhesive / sealant .**1.2 Company/undertaking identification:****Manufacturer/distributor:** Wacker Chemie AG  
Hanns-Seidel-Platz 4  
81737 München  
Germany**Customer information:** Wacker Chemical Corporation  
3301 Sutton Road  
Adrian, Michigan 49221-9397  
USA  
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):**

Hazard class	Hazard category	Route of exposure
Flammable liquids	Category 2	
Skin corrosion/irritation	Category 2	
Serious eye damage/eye irritation	Category 2A	
Short-term (acute) aquatic hazard	Category 3	
Long-term (chronic) aquatic hazard	Category 3	
Specific target organ toxicity - repeated exposure	Category 2	
Reproductive toxicity	Category 2 (developmental toxicity)	
Reproductive toxicity	Category 2 (impair fertility)	

**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.

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H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
P-Code	Precautionary Statements
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection.
P260	Do not breathe vapours/spray.
P243	Take action to prevent static discharges.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P332+P313	If skin irritation occurs: Get medical advice/ attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to waste disposal.

**2.3 Other hazards**

No data available.

**3. Composition/information on ingredients****3.1 Chemical characterization (preparation)**

Chemical characteristics

Polydimethylsiloxane+auxiliary+silane+solvent

**3.2 Information on ingredients:**

Type	CAS No.	Substance	Content [wt. %]		Note
			Lower	Upper	
INHA	108-88-3	Toluene	>10.0	<20.0	R
INHA	4253-34-3	Triacetoxy methylsilane	>5.0	<10.0	

**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  $\geq 0.1\%$ .

**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 After inhalation**

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

**4.3 After contact with the skin**

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 After contact with the eyes**

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

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**4.5 After swallowing**

For Ingestion, do not attempt to induce vomiting. If conscious, have them rinse their mouth with water but do not give anything to drink. Danger of aspiration. Get medical attention immediately. Show label if possible.

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

Property:	Value:	Method:
Flash point.....	6 °C (43 °F)	(DIN 53213)
Boiling point / boiling range .....	111 °C (232 °F) at 1013 hPa	(-)
Lower explosion limit (LEL) .....	1.2 %(V)	(-)
Upper explosion limit (UEL).....	7.0 %(V)	(-)
Ignition temperature .....	ca. 540 °C (1004 °F)	(DIN 51794)
NFPA Hazard Class (comb./flam.liquid) .....	IB	

**5.2 Fire and explosion hazards:**

Flammable liquid and vapor. Vapors are heavier than air and may travel along the ground, be moved by ventilation systems, settle in pits or low areas, and be ignited by ignition sources distant from the handling point. Never use welding or cutting torch on or near any container of this material, even if empty, because an explosion could occur.

**5.3 Recommended extinguishing media:**

AFFF alcohol compatible foam. Carbon dioxide. Dry chemical. Water may be used to cool tanks and structures adjacent to the fire.

**5.4 Unsuitable extinguishing media:**

Water may be ineffective in controlling fires of this material. Do not use water to fight these fires.

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

Heavy soot formation during combustion. Hazardous decomposition products: acetic acid .

**5.6 Fire fighting procedures:**

Full turn-out gear and Self Contained Breathing Apparatus (SCBA) should be worn when fighting large fires.

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

Secure the area. Wear personal protection equipment (see section 8). Task force: Use tightly fitting chemical protection suit (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Do not walk through spilled material. Ensure adequate ventilation. If material is released indicate risk of slipping.

**HAZWOPER PPE Level: C**

**6.2 Containment:**

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

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**

Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. For small amounts: Absorb with liquid, mainly acid binding material and dispose of according to local/state/federal regulation. For large amounts: Liquids may be recovered using suction devices or pumps. If flammable, only air driven or properly rated electrical equipment should be used. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Silicone fluids are slippery; spills are a safety hazard. Apply sand or other inert granular material to improve traction.

**6.4 Further information:**

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

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## 7. Handling and storage

### 7.1 Handling

**Precautions for safe handling:**

Ensure adequate ventilation. Must be syphoned off in situ. Spilled substance increases risk of slipping. Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Observe information in section 8. Keep away from incompatible substances in accordance with section 10.

**Precautions against fire and explosion:**

Product may release acetic acid. 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:**

Observe local/state/federal regulations.

**Advice for storage of incompatible materials:**

Observe local/state/federal regulations.

**Further information for storage:**

Store in a dry and cool place. Protect against moisture. Store container in a well ventilated place.

**Minimum temperature allowed during storage and transportation:** 0 °C (32 °F)

## 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:**

To control flammable/combustible vapors: Local exhaust ventilation which meets the requirements of ANSI Z9.2 is recommended to control airborne contaminants at the point of use. (to maintain concentration below TLV)

### 8.2 Associate substances with specific control parameters such as limit values

**Maximum airborne concentrations at the workplace:**

CAS No.	Substance	Type	mg/m <sup>3</sup>	ppm	Dust fract.
108-88-3	Toluene	OSHA PEL		200.0	
64-19-7	Acetic acid	OSHA PEL	25.0	10.0	
	Tin compounds (organic)	OSHA PEL	0.1		
108-88-3	Toluene	ACGIH TWA		20.0	
64-19-7	Acetic acid	ACGIH TWA		10.0	
	Tin compounds (organic)	ACGIH TWA	0.1		

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).

Re Acetic acid (CAS-no. 64-19-7): STEL is 15 ppm (ACGIH).

Re Tin compounds (organic): STEL is 0,2 mg/m<sup>3</sup>, skin notation (ACGIH).

**Further information:**

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

### 8.3 Personal protection equipment (PPE)

**Respiratory protection:**

Recommendation in case of long or strong exposure: A NIOSH approved air purifying respirator equipped with universal multi-contaminant multi-gas/vapor cartridges is recommended if overexposure to chemical vapors could occur. If eye-irritating dusts or vapors are present, a full-face respirator should be worn.

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**Hand protection:**

Viton rubber or Silvershield / 4H laminate gloves

**Eye protection:**

Safety glasses with side shields or chemical safety goggles. Additional eye and face protection, splash-proof goggles, hood, full-faced respirator, or face shield is recommended if splashing could occur.

**Other protective clothing or equipment:**

Additional skin protection, such as SARANEX coated Tyvek apron, over-sleeves, lab coat, coveralls, or protective suit should be worn if splashing could occur. Provide eye bath and safety shower.

**8.4 General hygiene and protection measures:**

Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. When handling do not eat, drink, smoke or apply cosmetics. Wash thoroughly after handling.

**9. Physical and chemical properties****9.1 Appearance**Physical state .....: liquid  
Colour .....: colourless  
Odour .....: strong**9.2 Safety parameters**

<b>Property:</b>	<b>Value:</b>	<b>Method:</b>
Melting point / melting range .....	not applicable	
Boiling point / boiling range .....	111 °C (232 °F) at 1013 hPa	(-)
Flash point.....	6 °C (43 °F)	(DIN 53213)
Ignition temperature .....	ca. 540 °C (1004 °F)	(DIN 51794)
Lower explosion limit (LEL) .....	1.2 %(V)	(-)
Upper explosion limit (UEL).....	7.0 %(V)	(-)
Vapour pressure.....	29 hPa / 20 °C (68 °F)	(-)
Density .....	1.078 g/cm <sup>3</sup> at 23 °C (73 °F)	(DIN 53217)
Water solubility / miscibility.....	virtually insoluble	
pH-Value .....	not applicable	
Viscosity (dynamic) .....	65000 mPa.s at 23 °C (73 °F)	(Brookfield)

**9.3 Further information**Solubility in water: Hydrolytic decomposition occurs. pH Value: Product displays acidic reaction with water.  
Explosion limits for released acetic acid: 4 - 17%(V).Odour limit.....: no data available  
VOC .....
 148.6 g/l | (calculated value) |
VOC Released During Cure .....
 44.1 g/l | (Estimated Value) |

Thermal decomposition.....: not applicable

**10. Stability and reactivity****10.1 General information:**

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

**10.2 Conditions to avoid**

moisture , Heat, open flames, and other sources of ignition.

**10.3 Materials to avoid**

Reacts violently with: water , basic substances and alcohols . Reaction causes the formation of: acetic acid .

**10.4 Hazardous decomposition products**

By hydrolysis: acetic acid .

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**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**Data on substances:****Toluene:**

Route of exposure	Result/Effect	Species/Test system	Source
Oral	LD50: 5580 mg/kg	Rat	ECHA
dermal	LD50: 12400 mg/kg	Rabbit	ECHA
by inhalation (vapour)	LC50: 28.1 mg/l; 4 h	Rat	ECHA

**11.1.3 Skin corrosion/irritation****Product details:**

Result/Effect	Species/Test system	Source
irritating The given result is based on an evaluation of the whole database for this endpoint ("weight of evidence").	Rabbit	Conclusion by analogy

**Data on substances:****Toluene:**

Result/Effect	Species/Test system	Source
irritating	Rabbit	ECHA OECD 404

**11.1.4 Serious eye damage / eye irritation****Product details:**

Result/Effect	Species/Test system	Source
irritating The given result is based on an evaluation of the whole database for this endpoint ("weight of evidence").	Rabbit	Conclusion by analogy

**Data on substances:****Toluene:**

Result/Effect	Species/Test system	Source
not irritating	Rabbit	ECHA OECD 405

**11.1.5 Respiratory or skin sensitization****Assessment:**

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

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**Data on substances:****Toluene:**

Route of exposure	Result/Effect	Species/Test system	Source
dermal	not sensitizing	Guinea pig; Maximisation Test	ECHA OECD 406

**11.1.6 Germ cell mutagenicity****Assessment:**

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

**Data on substances:****Toluene:**

Result/Effect	Species/Test system	Source
negative	mutation assay (in vitro) mouse lymphoma cells	ECHA OECD 476
negative	mutation assay (in vitro) bacterial cells	ECHA OECD 471
negative	chromosome aberration assay (in vivo) rat intraperitoneal; bone marrow cells	ECHA

**11.1.7 Carcinogenicity****Assessment:**

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

**11.1.8 Reproductive toxicity****Assessment:**

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

**Data on substances****Toluene:**

The substance can possibly impair the unborn child in humans.

**11.1.9 Specific target organ toxicity (single exposure)****Assessment:**

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

**Data on substances:****Toluene:**

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

**11.1.10 Specific target organ toxicity (repeated exposure)****Assessment:**

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

**Data on substances:****Toluene:**

Target organs in animal experiments: Central nervous system.

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## 11.1.11 Aspiration hazard

**Assessment:**

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

**Data on substances:****Toluene:**

Product can pose an aspiration hazard.

## 11.1.12 Further toxicological information

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 probable, possible or confirmed human carcinogen by IARC. 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: In contact with dampness product separates a small quantity of acetic acid (64-19-7) which irritates skin and mucous membranes.

## 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.

**Toluene:**

Result/Effect	Species/Test system	Source
LC50: 5.5 mg/l (measured)	dynamic Coho salmon ( <i>Oncorhynchus kisutch</i> ) (96 h)	ECHA
EC50: 3.78 mg/l (measured)	semistatic Daphnia (48 h)	ECHA
EC50 (photosynthesis): 134 mg/l (nominal)	algae (3 h)	ECHA

### 12.2 Persistence and degradability

**Assessment:**

Silicone content: biologically not degradable. Separation by sedimentation.

**Data on substances:****Toluene:**

Readily biodegradable.

### 12.3 Bioaccumulative potential

**Assessment:**

Bioaccumulation is not expected to occur.

### 12.4 Mobility in soil

**Assessment:**

No data known.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

none known

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**12.7 Additional information**

In cross-linked state not soluble in water. Easily separable from water by filtration.

**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:

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.

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

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

Valuation .....: Dangerous Goods  
Proper Shipping Name .....: Flammable liquid, n.o.s.  
Technical name .....: (contains toluene and n-propanol)  
Class .....: 3  
UN no. ....: 1993  
Packaging Group .....: II  
Label .....: \*\*TL:flammable liquid/3  
NAERG Guide .....: 130

**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 toluene and n-propanol)  
Marine Pollutant .....: no

**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 toluene and n-propanol)  
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.

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**CERCLA Regulated Chemicals:**

CAS No.	Chemical	RQ	Upper limit wt. %
108-88-3	Toluene	1,000 lbs	<15.0075

**SARA 302 EHS Chemicals:**

This material does not contain any SARA extremely hazardous substances.

**SARA 311/312 Hazard Class:**

Fire hazard. Immediate (acute) health hazard. Delayed (chronic) health hazard.

**SARA 313 Chemicals:**

CAS No.	Chemical	Upper limit wt. %
108-88-3	Toluene	<15.0075

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. %
108-88-3	Toluene	<=15.0100
71-43-2	Benzene	<=0.0015

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

California Proposition 65 Carcinogens:

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

108-88-3 Toluene

**New Jersey Right-to-Know Hazardous Substance List:**

112945-52-5 Silica, amorphous, fumed

108-88-3 Toluene

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

112945-52-5 Silica, amorphous, fumed

108-88-3 Toluene

**15.3 Details of international registration status**

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

Japan .....	: <b>ENCS</b> (Handbook of Existing and New Chemical Substances): This product is listed in, or complies with, the substance inventory.
Australia .....	: <b>AICS</b> (Australian Inventory of Chemical Substances): This product is listed in, or complies with, the substance inventory.
China.....	: <b>IECSC</b> (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.
Canada .....	: <b>DSL</b> (Domestic Substance List): This product is listed in, or complies with, the substance inventory.
Philippines.....	: <b>PICCS</b> (Philippine Inventory of Chemicals and Chemical Substances): This product is listed in, or complies with, the substance inventory.
United States of America (USA).....	: <b>TSCA</b> (Toxic Substance Control Act Chemical Substance Inventory): All components of this product are listed as active or are in compliance with the substance inventory.

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Taiwan .....	: <b>TCSI</b> (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).....	: <b>REACH</b> (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) .....	: <b>AREC</b> (Act on Registration and Evaluation of Chemicals; "K-REACH"): General note: in case of registration obligations for substances or polymers imported into Korea or manufactured within Korea these are fulfilled by the supplier mentioned in section 1. The registration obligations for substances or polymers imported into Korea by customers or other downstream users must be fulfilled by the latter.

**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	ppm - Parts per Million
DOT - Department of Transportation	SARA - Superfund Amendments and Reauthorization Act
hPa - Hectopascals	STEL - Short Term Exposure Limit
mPa*s - Milli Pascal-Seconds	TSCA - Toxic Substances Control Act
OSHA - Occupational Safety and Health Administration	TWA - Time Weighted Average
PEL - Permissible Exposure Limit	WHMIS - Canadian Workplace Hazardous Materials Identification System

<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)