

Safety Data Sheet

Material: 60042906

**ELASTOSIL® A07
TRANSLUCENT**

Version: 1.3 (CA)

Date of print: 06/16/2017

Date of last alteration: 04/20/2017

1. Identification**1.1 Identification of the substance or preparation:**

Commercial product name: **ELASTOSIL® A07
TRANSLUCENT**

Use of substance / preparation: Industrial.
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
3301 Sutton Road
Adrian, Michigan 49221-9397
USA
InfoLine:
Tel (517) 264-8240, Fax (517) 264-8740
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. Hazard identification**2.1 Classification of the substance or mixture****Classification (GHS):**

Class	Category	Route of exposure
Specific target organ toxicity (repeated exposure)	Category 2	
Specific target organ toxicity (single exposure)	Category 3 (narcotic effects)	
Reproductive toxicity	Category 2	
Serious eye damage / eye irritation	Category 1	
Skin corrosion/irritation	Category 2	
Flammable liquids	Category 2	

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

Pictogram(s):



Flame



Corrosion

Exclamation
mark

Health Hazard

Signal Word: Danger

H-Code	Hazard Statements
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness and dizziness.

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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.
P-Code	Precautionary Statements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take precautionary measures against static discharge.
P233	Keep container tightly closed.
P280	Wear protective gloves/protective clothing/eye protection.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P332+P313	If skin irritation occurs: Get medical advice/ attention.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P370+P378	In case of fire: use water spray, extinguishing powder, foam or carbon dioxide to extinguish.
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.

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

Chemical characteristics
Polydimethylsiloxane + auxiliary + Aminosilane + solvent

3.2 Information on ingredients:

Type	CAS No.	Substance	Content [wt. %]		Note
			Lower	Upper	
INHA	108-88-3	Toluene	>25.0	<30.0	R
INHA	16411-33-9	Methyl-tris-n-butylaminosilane	>3.0	<5.0	
INHA	14464-46-1	Cristobalite	>0.1	<0.3	C1, C2
VERU	556-67-2	Octamethyl cyclotetrasiloxane		<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.

Cristobalite: This component does not impact the product's hazard classification. Due to the product's physical properties, particulate inhalation exposure is not possible.

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. Do not take clothing home for washing.

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. Continue to bathe eyes during transport to medical practitioner.

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4.5 After swallowing

For Ingestion, do not attempt to induce vomiting. Danger of aspiration. Induce drinking plenty of water in small portions. Get medical attention immediately. Show label if possible.

5. Fire-fighting measures

5.1 Fire and explosion hazards:

Warning! Flammable liquid and vapor. Consider possible formation of explosive mixtures with air, for example in uncleaned containers. 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.

5.2 Recommended extinguishing media:

water-spray , carbon dioxide , dry chemical or alcohol-resistant foam .

5.3 Unsuitable extinguishing media:

sharp water jet .

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

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

5.5 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). Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. Keep unprotected persons away.

6.2 Containment:

Prevent material from entering surface waters, drains or sewers and soil. 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 for cleaning up

Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations. 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. Exhaust vapours.

6.4 Further information:

Eliminate all sources of ignition.

7. Handling and storage

7.1 Handling

Precautions for safe handling:

Ensure adequate ventilation. Spilled substance increases risk of slipping.

Precautions against fire and explosion:

Cool endangered containers with water. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces.

7.2 Storage

Conditions for storage rooms and vessels:

none known .

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Advice for storage of incompatible materials:
not applicable .**Further information for storage:**

Store in a dry and cool place. Keep container tightly closed. Protect against moisture. Protect against sun.

8. Exposure controls/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.	Material	Type	mg/m ³	ppm	Dust fract.
108-88-3	Toluene	OSHA PEL		200.0	
108-88-3	Toluene	ACGIH TWA		20.0	

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).

n-Butylamine (CAS 109-73-9): ceiling is 5 ppm, skin notation (ACGIH); skin designation, ceiling is 5 ppm or 15 mg/m³ (OSHA Table Z-1); ceiling is 5 ppm, skin notation (NIOSH).**8.3 Personal protection equipment (PPE)****Respiratory protection:**

Recommendation: A NIOSH approved air purifying respirator equipped with universal multi-contaminant, multi-gas/vapor cartridges and at least P-99 solid/aerosol particulate filters is recommended if overexposure to dusts, mists, or vapors could occur. If eye-irritating dusts or vapors are present, a full-face respirator should be worn.

Hand protection:

butyl rubber protective 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:

Recommendation: 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. Follow standard industrial hygiene practices when using this material. Wash thoroughly after handling.

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

Property:	Value:	Method:
Melting point / melting range	not applicable	
Boiling point / boiling range	111 °C (231 °F) at 1013 hPa	
Flash point.....	8 °C (46 °F)	(ISO 13736)
Ignition temperature	420 °C (788 °F)	

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Lower explosion limit (LEL): approx. 1.2 %(V)
 Upper explosion limit (UEL).....: approx. 7.0 %(V)
 Vapour pressure.....: 29 hPa at 20 °C (68 °F)
 Density: 0.98 g/cm³ (DIN 51757)
 Water solubility / miscibility.....: virtually insoluble
 pH-Value: not applicable
 Viscosity (dynamic): 8000 mPa.s at 25 °C (77 °F)

9.3 Further information

Odour limit: no data available
 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.

10.2 Conditions to avoid

moisture

10.3 Materials to avoid

Reacts with: water . Reaction causes the formation of: n-butyl amine .

10.4 Hazardous decomposition products

Under the effect of humidity, water and protic agents: n-butyl amine . The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

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_{mix} (oral): > 2000 mg/kg

Data related to ingredients:**Toluene:**

Route of exposure	Result/Effect	Species/Test system	Source
oral	LD ₅₀ : 5580 mg/kg	rat	ECHA
dermal	LD ₅₀ : 12400 mg/kg	rabbit	ECHA
by inhalation (vapour)	LC ₅₀ : 28.1 mg/l; 4 h	rat	ECHA

11.1.3 Skin corrosion/irritation**Assessment:**

Irritation of the skin must be expected. Due to a strong adherence to the skin symptoms of skin corrosion cannot be excluded after removing the substance mechanically.

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Product details:

Result/Effect	Species/Test system	Source
not corrosive	Corrositex	Conclusion by analogy

Data related to ingredients:**Toluene:**

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

11.1.4 Serious eye damage / eye irritation**Assessment:**

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

Data related to ingredients:**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.

Data related to ingredients:**Toluene:**

Route of exposure	Result/Effect	Species/Test system	Source
dermal	not sensitizing	guinea-pig; Magnusson-Kligman	ECHA OECD 406

11.1.6 Germ cell mutagenicity**Assessment:**

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

Data related to ingredients:**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.

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Data related to ingredients**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 related to ingredients:**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 related to ingredients:**Toluene:**

Target organs in animal experiments: Central nervous system.

11.1.11 Aspiration hazard**Assessment:**

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

Data related to ingredients:**Toluene:**

Product can pose an aspiration hazard.

11.1.12 Further toxicological information

Other information: In contact with dampness product separates a small quantity of n-butylamine (109-73-9) which irritates skin, mucous membranes and respiratory system.

12. Ecological information**12.1 Toxicity****Assessment:**

For the product as a whole, no test data is available. According to current knowledge adverse effects on water purification plants are not expected.

Data related to ingredients:

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

Toluene:

Result/Effect	Species/Test system	Source
LC ₅₀ : 5.5 mg/l (measured)	dynamic Coho salmon (<i>Oncorhynchus kisutch</i>) (96 h)	ECHA
EC ₅₀ : 3.78 mg/l (measured)	semistatic Daphnia (48 h)	ECHA
EC ₅₀ (photosynthesis): 134 mg/l (nominal)	algae (3 h)	ECHA

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12.2 Persistence and degradability**Assessment:**

Silicone content: biologically not degradable. Separation by sedimentation.

Data related to ingredients:**Toluene:**

Readily biodegradable.

12.3 Bioaccumulative potential**Assessment:**

No adverse effects expected.

12.4 Mobility in soil**Assessment:**

Silicone content: Insoluble in water.

12.5 Other adverse effects

none known

13. Disposal considerations**13.1 Product disposal****Recommendation:**

Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

13.2 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.

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

Valuation: Dangerous Goods
Proper Shipping Name: Flammable liquid, n.o.s.
Technical name: (containing toluene and methylbutylaminosilane)
Class: 3
UN no.: 1993
Packaging Group: II
Label: **TL:flammable liquid/3
NAERG Guide: 128

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: (containing toluene and methylbutylaminosilane)
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.

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Technical name.....: (containing toluene and methylbutylaminosilane)
 Packaging Group: II

15. Regulatory information**15.1 Canadian regulations**

This product has been classified according to the hazard criteria of the Hazard Products Regulations (HPR) and the SDS contains all of the information required by the HPR.

Non-DSL Chemicals:

CAS No.	Chemical	Upper limit wt. %
16411-33-9	Methyl-tris-n-butylaminosilane	4.359

15.2 Details of international registration status

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

- South Korea (Republic of Korea): **ECL** (Existing Chemicals List):
 This product is listed in, or complies with, the substance inventory.
- Australia: **AICS** (Australian Inventory of Chemical Substances):
 This product is listed in, or complies with, the substance inventory.
- People's Republic of China: **IECSC** (Inventory of Existing Chemical Substances in China):
 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):
 This product is listed in, or complies with, the substance inventory.
- Taiwan (Republic of China).....: **TCSI** (Taiwan Chemical Substance Inventory):
 This product is listed in, or complies with, the substance inventory. General note:
 Taiwan REACH 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.

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

This product has been classified according to the hazard criteria of the Hazard Products Regulations (HPR) and the SDS contains all of the information required by the HPR. 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.

All deliveries are subject to the WACKER SILICONES Health Care Policy, which is available at www.wacker.com.

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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

WHMIS - Canadian Workplace Hazardous Materials

Identification System

Flash point determination methods

ASTM D56.....

ASTM D92, DIN 51376, ISO 2592

ASTM D93, DIN 51758, ISO 2719

ASTM D3278, DIN 55680, ISO 3679

DIN 51755.....

Common name

Tagliabue (Tag) closed cup

Cleveland open cup

Pensky-Martens closed cup

Setaflash or Rapid closed cup

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)