

# SAFETY DATA SHEET

Material: 60088910

ELASTOSIL® E60 N GREY

Version 4.10 (US)

Print Date 12/03/2024

Date of last alteration: 09/16/2024

## 1. Product and company identification

### 1.1 Identification of the substance or preparation:

Trade name

**ELASTOSIL® E60 N GREY**

Product group:

Elastosil®

Use of the Substance/Mixture

Industrial.

Raw material for: elastomer products .

### 1.2 Company/undertaking identification:

Manufacturer/distributor:

Wacker Chemie AG  
Gisela-Stein-Straße 1  
81671 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

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200):**

Classification	H-Code
Serious eye damage/eye irritation, Category 2A	H319
Skin corrosion/irritation, Category 2	H315

### 2.2 Label elements

**GHS-Labeling:**

Pictogram(s):



Signal word: Warning

H-Code	Hazard statements
H315	Causes skin irritation.
H319	Causes serious eye irritation.
P-Code	Precautionary statements
P280	Wear protective gloves/protective clothing/eye protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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.

### 2.3 Other hazards

The product hydrolyses under formation of acetic acid (CAS-No. 64-19-7). Acetic acid is classified concerning both physical and

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health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.

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 and fillers and auxiliaries and acetoxysilane cross-linker

### 3.2 Information on ingredients:

Type	CAS-No.	Substance	Content [wt. %]		Note
			Lower	Upper	
INHA	160738-91-0	Methyltriacetoxysilane oligomers and polymers	>5.0	<10.0	
INHA	13463-67-7	Titanium dioxide		<2.0	C1

**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.

The hazards associated with respirable particulate exposure do not apply to this material. All fillers, pigments and similar ingredients are incorporated in a non-respirable form, and under normal conditions of use are expected to remain inextricably bound within the product.

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 if irritation occurs or if breathing becomes difficult.

### 4.2 If inhaled

If inhaled, remove to fresh air.

### 4.3 In case of skin contact

For skin contact, immediately wipe away excess material. 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, rinse mouth with water. Induce drinking plenty of water in small portions.

### 4.6 Advice for the physician

Treat symptomatically.

## 5. Fire-fighting measures

### 5.1 Flammable properties:

Property:

Flash point.....: not applicable

Value:

Method:

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Boiling point/boiling range .....: not applicable  
Lower explosion limit.....: not applicable  
Upper explosion limit.....: no data available  
Ignition temperature .....: 435 °C (815 °F) (EN 14522)  
NFPA Hazard Class (comb./flam.liquid).....: IIIB

**5.2 Fire and explosion hazards:**

This material will burn with a lazy smoldering flame. This material does not present any unusual fire or explosion hazards.

**5.3 Recommended extinguishing media:**

Alcohol Resistant (AR) Fluorine Free Foam (F3). Carbon dioxide. Dry chemical. Water - Use Fine Spray or Fog. Water may be used to cool tanks and structures adjacent to the fire.

**5.4 Unsuitable extinguishing media:**

None.

**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 .

**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). Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. If material is released indicate risk of slipping. Do not walk through spilled material.

**HAZWOPER PPE Level: D**

**6.2 Containment:**

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. 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**

Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. 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.

**7. Handling and storage****7.1 Handling****Precautions for safe handling:**

Ensure adequate ventilation. Must be syphoned off in situ. Keep away from incompatible substances in accordance with section 10. Observe information in section 8.

**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.

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**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:**  
No special ventilation required.

**Local exhaust:**  
No special ventilation required.

**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.
Acetic acid	OSHA PEL	25.0	10.0	
Acetic acid	ACGIH TWA		10.0	

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

**8.3 Personal protection equipment (PPE)**

**Respiratory protection:**  
Respiratory protection is not normally required.

**Hand protection:**  
Any liquid-tight rubber or vinyl gloves.

**Eye protection:**  
Safety glasses with side shields.

**Other protective clothing or equipment:**  
Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

**8.4 General hygiene and protection measures:**  
Avoid contact with eyes, skin and clothing. When handling do not eat, drink, smoke or apply cosmetics. Wash hands at the end of work and before eating.

9. Physical and chemical properties

**9.1 Appearance**

Physical state .....: liquid  
Form .....: viscous  
Colour .....: grey  
Odour .....: pungent

**9.2 Safety data**

Property:	Value:	Method:
Melting point.....:	not applicable	
Boiling point/boiling range .....	not applicable	
Flash point.....:	not applicable	
Ignition temperature .....	435 °C (815 °F)	(EN 14522)
Lower explosion limit.....:	not applicable	
Upper explosion limit.....:	no data available	
Vapour pressure.....:	not applicable	

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Density .....: 1.12 g/cm<sup>3</sup> at 23 °C (73 °F) (DIN EN ISO 2811-2)

Water solubility .....: insoluble

pH .....: Not applicable. Product displays acidic reaction with water.

Partition coefficient: n-octanol/water .....: not applicable

Viscosity, dynamic.....: 75000 mPa.s at 23 °C (73 °F) (Brookfield, spindle 5 / 2,5 (DIN EN ISO 2555) rpm)

Viscosity, dynamic.....: 100000 mPa.s at 25 °C (77 °F) (DIN EN ISO 3219) shear rate: 0.5 1/S

Viscosity, dynamic.....: 75000 mPa.s at 25 °C (77 °F) (DIN EN ISO 3219) shear rate: 25 1/S

Viscosity, kinematic.....: no data available

## 9.3 Further information

Hydrolysis products reduce the flash point. Explosion limits for released acetic acid: 4 - 17%(V).

Odour Threshold .....: no data available

Thermal decomposition .....: no data available

## 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

Reacts with: water , basic substances and alcohols . The reaction takes place with the formation of acetic acid.

### 10.4 Hazardous decomposition products

Acetic acid by hydrolysis. 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 Acute toxicity

##### Assessment:

Based on the available data acute toxic effects are not expected after single dermal exposure.

##### Product details:

Exposure routes	Result/Effect
dermal	LD50 > 2009 mg/kg Species: Rabbit, Source: Conclusion by analogy

#### 11.1.2 Skin corrosion/irritation

##### Assessment:

After contact to the skin irritation of the skin are to be expected.

##### Product details:

irritating (Species: Rabbit, Source: Conclusion by analogy)
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## 11.1.3 Serious eye damage/eye irritation

### Assessment:

After contact to the eyes irritation of the eye must be expected.

### Product details:

irritating

(Species: Rabbit, Source: Conclusion by analogy)

## 11.1.4 Respiratory or skin sensitisation

### Assessment:

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

## 11.1.5 Germ cell mutagenicity

### Assessment:

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

## 11.1.6 Carcinogenicity

### Assessment:

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

## 11.1.7 Reproductive toxicity

### Assessment:

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

## 11.1.8 Specific target organ toxicity - single exposure

### Assessment:

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

## 11.1.9 Specific target organ toxicity - repeated exposure

### Assessment:

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

## 11.1.10 Aspiration hazard

### Assessment:

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

## 11.1.11 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 11.1.12 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 a carcinogen or potential carcinogen by OSHA. Titanium dioxide (rutile) has been classified by IARC as carcinogen group 2B ("possibly carcinogenic to humans").

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.

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**12.2 Persistence and degradability****Assessment:**

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

**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.

**12.7 Other adverse effects**

none known

**13. Disposal considerations****13.1 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.

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

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

Valuation .....: Not regulated for transport

**14.2 Transport by sea IMDG-Code**

Valuation .....: Not regulated for transport

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

Valuation .....: Not regulated for transport

**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:**  
This material does not contain any CERCLA regulated chemicals.

**SARA 302 EHS Chemicals:**  
This material does not contain any SARA extremely hazardous substances.

**SARA 311/312 Hazard Class:**  
Skin corrosion or irritation. Serious eye damage or eye irritation

**SARA 313 Chemicals:**  
This material does not contain any SARA 313 chemicals above de minimus levels.

**HAPS (Hazardous Air Pollutants):**

CAS-No.	Chemical	Upper limit wt. %
108-88-3	Toluene	<=0.0077

**15.2 US State Regulations**

**US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

California Proposition 65 Carcinogens:  
13463-67-7 Titanium dioxide  
1333-86-4 Carbon black (non nano)

California Proposition 65 Reproductive Toxins:  
108-88-3 Toluene

**Massachusetts Right To Know**  
Product does not contain any listed chemicals

**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.

China..... : **IECSC** (Inventory of Existing Chemical Substances in China):  
This product is not listed or in compliance with the substance inventory.

Canada ..... : **DSL** (Domestic Substance List):  
This product is not listed or in compliance with the substance inventory.

Philippines..... : **PICCS** (Philippine Inventory of Chemicals and Chemical Substances):  
This product is not listed or in compliance 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.

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



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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

**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)