

Safety Data Sheet

Material: 60003739

**ELASTOSIL® A33
IVORY**

Version: 2.5 (US)

Date of print: 12/21/2020

Date of last alteration: 11/16/2019

1. Product and company identification

1.1 Identification of the substance or preparation:

Commercial product name:

**ELASTOSIL® A33
IVORY**

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
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 |
|-----------------------------------|-------------------------------|-------------------|
| Skin corrosion/irritation | Category 2 | |
| Serious eye damage/eye irritation | Category 1 | |
| Reproductive toxicity | Category 2 (impair fertility) | |

2.2 Label elements

Labelling (GHS):

Pictogram(s):



Signal Word: Danger

| H-Code | Hazard Statements |
|--------|----------------------------------|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H361f | Suspected of damaging fertility. |

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| P-Code | Precautionary Statements |
|----------------|--|
| P280 | Wear protective gloves/protective clothing/eye protection. |
| 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. |
| P310 | Immediately call a POISON CENTER/doctor. |
| P501 | Dispose of contents/container to waste disposal. |

2.3 Other hazards

Inhalation of aerosol spray may damage health.

3. Composition/information on ingredients

3.1 Chemical characterization (preparation)

Chemical characteristics

Polydimethylsiloxane+auxiliary+Aminosilane

3.2 Information on ingredients:

| Type | CAS No. | Substance | Content [wt. %] | | Note |
|------|------------|----------------------------------|-----------------|-------|------|
| | | | Lower | Upper | |
| INHA | 15901-40-3 | Methyl tricyclohexylamino silane | >3.0 | <5.0 | |

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 ≥ 0.1%.

4. First-aid measures

4.1 General information:

Get medical attention if irritation or other symptoms occur. 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.

4.5 After swallowing

For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids. Get medical attention if symptoms occur. Show label if possible.

5. Fire-fighting measures

5.1 Flammable properties:

Property:

Value:

Method:

Flash point.....: > 200 °C (> 392 °F)

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Boiling point / boiling range: not applicable
Lower explosion limit (LEL): not applicable
Upper explosion limit (UEL).....: not applicable
Ignition temperature: ca. 449 °C (840 °F) (EN 14522)

5.2 Fire and explosion hazards:

This material does not present any unusual fire or explosion hazards. Hydrolyzes on contact with moisture releasing ignitable, corrosive vapors.

5.3 Recommended extinguishing media:

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

5.4 Unsuitable extinguishing media:

sharp water jet ,

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 , nitrogen oxides and incompletely burnt hydrocarbons .

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:**

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: 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 a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. 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.

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

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

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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:**

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. Store container in a well ventilated place.

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

Use only with adequate ventilation.

Local exhaust:

To maintain concentration below TLV. 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:**

| CAS No. | Substance | Type | mg/m ³ | ppm | Dust fract. |
|----------|-----------------|-----------|-------------------|------|-------------|
| 108-91-8 | Cyclohexylamine | ACGIH TWA | | 10.0 | |

none known

Further information:

Maximum concentration at workplace recommended by producer: octamethylcyclotetrasiloxane (D4, CAS no. 556-67-2) = 10 ppm (123 mg/m³).

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.

Hand protection:

PVC gloves or butyl rubber protective gloves .

Eye protection:

Safety glasses with side shields or chemical safety goggles. Where there is risk of splashing: tight fitting chemical safety goggles , protective shield .

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
Form : paste
Colour : ivory

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Odour : amine like

9.2 Safety parameters

| Property: | Value: | Method: |
|-------------------------------------|---|----------------|
| Melting point / melting range | not applicable | |
| Boiling point / boiling range | not applicable | |
| Flash point..... | > 200 °C (> 392 °F) | |
| Ignition temperature | ca. 449 °C (840 °F) | (EN 14522) |
| Lower explosion limit (LEL) | not applicable | |
| Upper explosion limit (UEL)..... | not applicable | |
| Vapour pressure..... | not applicable | |
| Density | 1.14 g/cm ³ at 23 °C (73 °F) | (ISO 1183-1 A) |
| Water solubility / miscibility..... | virtually insoluble at 20 °C (68 °F) | |
| pH-Value | not applicable | |
| Viscosity (dynamic) | not applicable | |

9.3 Further information

pH Value: Product displays basic reaction with water.

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

Heat, open flames, and other sources of ignition.

10.3 Materials to avoid

none known

10.4 Hazardous decomposition products

If stored and handled properly: none known . 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:

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

Acute toxicity estimate (ATE):

ATE_{mix} (Oral): > 5000 mg/kgATE_{mix} (dermal): > 5000 mg/kg

11.1.2 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 |

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

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

11.1.4 Respiratory or skin sensitization**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 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. 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.

Other information: Hydrolysis product / impurity: Cyclohexylamine (CAS RN 108-91-8) is corrosive to skin and eyes and shows moderate toxic effects after oral administration as well as distinct toxic effects after dermal administration. Exposure to vapour causes irritation of the upper respiratory tract and the eyes. In animal experiments reproductive effects were observed.

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.

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12.2 Persistence and degradability**Assessment:**

Silicone content: biologically not degradable. Separation by sedimentation.

12.3 Bioaccumulative potential**Assessment:**

Polymer component: Bioaccumulation is not expected to occur.

12.4 Mobility in soil**Assessment:**

Silicone content: Insoluble in water.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 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.

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.

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SARA 311/312 Hazard Class:

Immediate (acute) health hazard.

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 | ≤0.0444 |

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

This material does not contain any chemicals known to the State of California to cause cancer.

California Proposition 65 Reproductive Toxins:

108-88-3 Toluene

Massachusetts Substance List:

112945-52-5 Silica, amorphous, fumed

New Jersey Right-to-Know Hazardous Substance List:

112945-52-5 Silica, amorphous, fumed

Pennsylvania Right-to-Know Hazardous Substance List:

112945-52-5 Silica, amorphous, fumed

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 | AICS (Australian Inventory of 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 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 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"): 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. |

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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. 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
WHMIS - Canadian Workplace Hazardous Materials Identification System

Flash point determination methods

| | |
|---------------------------------------|-------------------------------|
| 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 |

Common name

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)