

**Safety Data Sheet (1907/2006/EC)**

Material: 60003739

**ELASTOSIL® A33  
IVORY**

Version: 2.5 (GB)

Date of print: 05.03.2018

Date of last alteration: 24.11.2016

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Commercial product name:** **ELASTOSIL® A33  
IVORY****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of substance / preparation:

Industrial.

Raw material for: elastomer products .

**1.3 Details of the supplier of the safety data sheet**

Manufacturer/distributor:	Wacker Chemie AG
Street/POB-No.:	Hanns-Seidel-Platz 4
State/postal code/city:	D 81737 München
Telephone:	+49 89 6279-0
Telefax:	+49 89 6279-1770

Information about the Safety Data Sheet:	Telephone	+49 8677 83-4888
	Telefax	+49 8677 886-9722
	eMail	WLCP-MSDS@wacker.com

**1.4 Emergency telephone number**

<b>Emergency Information (German):</b>	<b>Plant fire brigade</b>	<b>+49 8677 83-2222</b>
<b>Emergency Information (internat.):</b>	<b>National Response Center</b>	<b>+49 621 60-43333</b>

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008:

Class	Category	Route of exposure	H-Code
Serious eye damage / eye irritation	Category 1		H318
Skin corrosion/irritation	Category 2		H315

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008:

Pictogram(s):



Signal Word: Danger

H-Code	Hazard Statements
H315	Causes skin irritation.
H318	Causes serious eye damage.

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.

Hazard ingredients (labelling):

N,N',N''-Tricyclohexyl-1-methylsilanetriamine

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**2.3 Other hazards**

Inhalation of aerosol spray may damage health.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

not applicable

**3.2 Mixtures****3.2.1 Chemical characteristics**

Polydimethylsiloxane + auxiliary + Aminosilane

**3.2.2 Hazardous ingredients**

Type	CAS No.	EC-No. REACH no.	Material	Content %	Classification according to Regulation (EC) No. 1272/2008*	Comment
INHA	15901-40-3	240-040-8	N,N',N''-Tricyclohexyl-1-methylsilanetriamine	>3 – <5	Eye Dam. 1; H318 Acute Tox. 4 oral; H302 Acute Tox. 4 dermal; H312 Skin Corr. 1A; H314	[1]
INHA	1318-02-1	215-283-8 01-2119429034-49	Zeolites	<2	Eye Irrit. 2; H319	[1]
VERU	556-67-2	209-136-7	Octamethylcyclotetrasiloxane	>0,1 – <0,2	Flam. Liq. 3; H226 Repr. 2; H361f Aquatic Chronic 4; H413	[1]

Type: INHA: ingredient, VERU: impurity

REACH registered substances may be included as impurities. These do not necessarily require identified uses and exposure scenarios in the safety data sheet.

[1] = Hazardous or environmentally harmful substance; [2] = substance with a Community workplace exposure limit; [3] = PBT substance; [4] = vPvB substance

\*Classification codes are explained in section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Take persons to a safe place. Observe self-protection for first aid. Seek medical advice in the event of contact with this substance.

**After contact with the eyes:**

Rinse immediately with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice and clearly identify substance.

**After contact with the skin:**

Remove contaminated or soaked clothing. Wash off with plenty of water or water and soap immediately for 10-15 minutes. In serious cases, use emergency shower immediately. Seek medical advice and clearly identify substance.

**After inhalation:**

Keep the patient calm. Protect against loss of body heat. Seek medical advice and clearly identify substance.

**After swallowing:**

If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice and clearly identify substance.

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**4.2 Most important symptoms and effects, both acute and delayed**

Any relevant information can be found in other parts of this section.

**4.3 Indication of any immediate medical attention and special treatment needed**

Further toxicology information in section 11 must be observed.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media:**

water mist , extinguishing powder , alcohol-resistant foam , carbon dioxide , sand .

**Extinguishing media which must not be used for safety reasons:**

water jet .

**5.2 Special hazards arising from the substance or mixture**

Risk of hazardous gasses or fumes in the event of fire. Exposure to combustion products may be a health hazard! Hazardous combustion products: carbon oxides , silicon oxides , nitrogen oxides , incompletely burnt hydrocarbons , toxic and very toxic fumes .

**5.3 Advice for firefighters****Special protective equipment for fire fighting:**

Use respiratory protection independent of recirculated air. Keep unprotected persons away.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

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.

**6.2 Environmental precautions**

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.

**6.3 Methods and material for containment and 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.

**Further information:**

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

**6.4 Reference to other sections**

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

**SECTION 7: Handling and storage****7.1 Precautions for safe 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 Conditions for safe storage, including any incompatibilities****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.

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Maximum airborne concentrations at the workplace:**

CAS No.	Material	Type	mg/m <sup>3</sup>	ppm	Dust fract.	Fibre/m <sup>3</sup>
108-91-8	Cyclohexylamine	OEL	41,0	10,0		

**8.2 Exposure controls****8.2.1 Exposure in the work place limited and controlled****General protection and hygiene measures:**

Observe standard industrial hygiene practices for the handling of chemical substances. Do not inhale gases/vapours/aerosols. Use with adequate ventilation. Avoid contact with eyes and skin. Preventive skin protection recommended. Remove contaminated, soaked clothing immediately. Clean work areas regularly. Provide emergency shower and eye-bath. Do not eat, drink or smoke when handling.

**Personal protection equipment:****Respiratory protection**

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136.

Recommended Filter type: Combined filter type A-P2 (certain organic gases and vapors with boiling point > 65°C; particles), according to acknowledged standards such as EN 14387

Observe the equipment manufacturer's information and wear time limits for respirators.

**Eye protection**

tight fitting protective goggles .

**Hand protection**

Gloves are required at all times when handling the material.

Recommended glove types: Protective gloves made of butyl rubber

thickness of the material: > 0,3 mm

Breakthrough time: > 480 min

Recommended glove types: Protective gloves made of nitrile rubber

thickness of the material: > 0,4 mm

Breakthrough time: 10 - 30 min

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

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**Skin protection**

If handled uncovered: Chemical protective clothing, full-body liquid-tight protection if necessary. Please observe the instructions regarding permeability time which are provided by the supplier.

**8.2.2 Exposure to the environment limited and controlled**

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

**8.3 Further information for system design and engineering measures**

Observe information in section 7. Observe national regulatory requirements.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Property:	Value:	Method:
<b>Appearance</b>		
Physical state / form .....	paste	
Colour.....	ivory	
<b>Odour</b>		
Odour .....	amine like	
<b>Odour limit</b>		
Odour limit :	no data available	
<b>pH-Value</b>		
pH-Value .....	not applicable	
<b>Melting point/freezing point</b>		
Melting point / melting range .....	not applicable	
<b>Initial boiling point and boiling range</b>		
Boiling point / boiling range .....	not applicable	
<b>Flash point</b>		
Flash point.....	> 200 °C	
<b>Evaporation rate</b>		
Evaporation rate.....	no data available	
<b>Upper/lower flammability or explosive limits</b>		
Lower explosion limit (LEL) .....	not applicable	
Upper explosion limit (UEL).....	not applicable	
<b>Vapour pressure</b>		
Vapour pressure.....	not applicable	
<b>Solubility(ies)</b>		
Water solubility / miscibility.....	virtually insoluble at 20 °C	
<b>Vapour density</b>		
Relative gas/vapour density .....	No data known.	
<b>Relative Density</b>		
Relative Density .....	1,14 (23 °C)	(ISO 1183-1 A)
	(Water / 4 °C = 1,00)	
Density .....	1,14 g/cm <sup>3</sup> (23 °C)	(ISO 1183-1 A)
<b>Partition coefficient: n-octanol/water</b>		
Partition coefficient: n-octanol/water.....	No data known.	
<b>Auto-ignition temperature</b>		
Ignition temperature .....	approx. 449 °C	(EN 14522)
<b>Decomposition temperature</b>		
Thermal decomposition .....	not applicable	
<b>Viscosity</b>		
Viscosity (dynamic) .....	not applicable	
<b>Molecular mass</b>		
Molecular mass .....	not applicable	

**9.2 Other information**

Re 9.2 pH Value: Product displays basic reaction with water.

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**SECTION 10: Stability and reactivity****10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions**

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

Relevant information can possibly be found in other parts of this section.

**10.4 Conditions to avoid**

Heat, open flames, and other sources of ignition.

**10.5 Incompatible materials**

none known

**10.6 Hazardous decomposition products**

Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

**SECTION 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<sub>mix</sub> (oral): > 5000 mg/kg

ATE<sub>mix</sub> (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.

**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.

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**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**

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.

**SECTION 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.

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

Silicone content: biologically not degradable. Separation by sedimentation.

**12.3 Bioaccumulative potential****Assessment:**

No adverse effects expected.

**12.4 Mobility in soil****Assessment:**

Silicone content: Insoluble in water.

**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

none known

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods****13.1.1 Material**

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.

**13.1.2 Uncleaned packaging**

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.

**13.1.3 Waste Disposal Legislation Ref.No.(EC)**

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**SECTION 14: Transport information****14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group****Road ADR:**

Valuation .....: Not regulated for transport

**Railway RID:**

Valuation .....: Not regulated for transport

**Transport by sea IMDG-Code:**

Valuation .....: Not regulated for transport

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

Valuation .....: Not regulated for transport

**14.5 Environmental hazards**

Hazardous to the environment: no

**14.6 Special precautions for user**

Relevant information in other sections has to be considered.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

Bulk transport in tankers is not intended.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

**Relevant regulations:**

SI 2002/1689: CHIP Regulations 2002

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health &amp; Safety at Work Regulations 1999

Health &amp; Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 &amp; Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

**15.2 Chemical safety assessment**

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.



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**15.3 Details of international registration status**

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

South Korea (Republic of Korea) .....	<b>ECL</b> (Existing Chemicals List): This product is listed in, or complies with, the substance inventory.
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.
People's Republic of 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.
United States of America (USA).....	<b>TSCA</b> (Toxic Substance Control Act Chemical Substance Inventory): This product is listed in, or complies with, the substance inventory.
Taiwan (Republic of China).....	<b>TCSI</b> (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).....	<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.

**SECTION 16: Other information****16.1 Material**

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

All deliveries are subject to the WACKER SILICONES Health Care Policy, which is available at [www.wacker.com](http://www.wacker.com).

**16.2 Further information:**

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

Explanation of the GHS classification code:

Eye Dam. 1; H318.....	Serious eye damage / eye irritation Category 1; Causes serious eye damage.
Acute Tox. 4; H302 .....	Acute toxicity Category 4; Harmful if swallowed.
Acute Tox. 4; H312 .....	Acute toxicity Category 4; Harmful in contact with skin.
Skin Corr. 1A; H314 .....	Skin corrosion/irritation Category 1A; Causes severe skin burns and eye damage.
Eye Irrit. 2; H319 .....	Serious eye damage / eye irritation Category 2; Causes serious eye irritation.
Flam. Liq. 3; H226.....	Flammable liquids Category 3; Flammable liquid and vapour.
Repr. 2; H361f.....	Reproductive toxicity Category 2 (impair fertility); Suspected of damaging fertility.
Aquatic Chronic 4; H413	Chronic aquatic toxicity Category 4; May cause long lasting harmful effects to aquatic life.
.....	.....

Classification	Rationale:
Serious eye damage / eye irritation, Category 1	Calculation method
Skin corrosion/irritation, Category 2	Calculation method

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