

Industrial Silicone 5628E

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name:** Industrial Silicone 5628E

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Silicone Elastomer (A)

**Uses advised against:** Not known.

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

**Manufacturer/Importer/Distributor Information** : Momentive Performance Materials GmbH  
Chempark Leverkusen Gebaeude V7  
DE - 51368 Leverkusen  
Germany

**Contact person** : MomentiveEMEA.productsteward@momentive.com

**Telephone** : General information  
00800.4321.1000 (Customer Service Centre)

### 1.4

**Emergency telephone number** : Europe, Israel & All other: +44 (0) 1235239670; Middle East:+44 (0) 1235239671

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

#### Health Hazards

Skin irritation

Category 2

H315: Causes skin irritation.

### 2.2 Label Elements



**Signal Words:** Warning

**Hazard Statement(s):** H315: Causes skin irritation.

#### Precautionary Statement

**Prevention:** P264: Wash hands thoroughly after handling.

**Response:** P332+P313: If skin irritation occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.

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**Supplemental label information**

EUH014: Reacts violently with water.

**Unknown toxicity - Health**

Acute toxicity, oral 0 %  
 Acute toxicity, dermal 0 %  
 Acute toxicity, inhalation, vapor 0 %  
 Acute toxicity, inhalation, dust or mist 0 %

**Additional Information:** No data available.

**2.3 Other hazards** No data available.

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

**Chemical nature:** Mixture of polydimethylsiloxanes, fillers and cross-linkers.

**3.2 Mixtures**

**General information:** No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
ethyltriacetoxysilane	1 - <3%	17689-77-9	241-677-4	No data available.	No data available.	
Methyltriacetoxysilane	1 - <3%	4253-34-3	224-221-9	01-2119962266-32-0000	No data available.	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# # This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**Classification**

Chemical name	Classification	Notes
ethyltriacetoxysilane	Skin Corr.: 1B: H314Acute Tox.: 4: H302Eye Dam.: 1: H319	No data available.
Methyltriacetoxysilane	Acute Tox.: 4: H302Skin Corr.: 1C: H314Eye Dam.: 1: H319	No data available.

CLP: Regulation No. 1272/2008.

**SECTION 4: First aid measures**

**General:** Get medical attention if symptoms occur.

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**4.1 Description of first aid measures**

- Inhalation:** Move to fresh air. Get medical attention if any discomfort continues.
- Eye contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Skin Contact:** After contact with skin, remove product mechanically. Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.
- Ingestion:** Rinse mouth. Do not induce vomiting. Consult a physician for specific advice.

**4.2 Most important symptoms and effects, both acute and delayed:** No data available.

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

- Hazards:** No data available.
- Treatment:** No data available.

**SECTION 5: Firefighting measures**

**General Fire Hazards:** Use standard firefighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

**5.1 Extinguishing media**

**Suitable extinguishing media:** All standard extinguishing agents are suitable.

**Unsuitable extinguishing media:** Do not use water jet.

**5.2 Special hazards arising from the substance or mixture:** No data available.

**5.3 Advice for firefighters**

**Special fire fighting procedures:** Keep away from sources of ignition - No smoking. Static discharge: material can accumulate static charges which may cause an incendiary electrical discharge.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Wash skin thoroughly with soap and water. Keep container tightly closed and in a well-ventilated place. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with skin and eyes.

**6.2 Environmental Precautions:** Do not allow runoff to sewer, waterway or ground.

**6.3 Methods and material for containment and cleaning up:** Shovel up and place in a container for salvage or disposal. Caution: Contaminated surfaces may be slippery.

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**6.4 Reference to other sections:** Prevent runoff from entering drains, sewers, or streams. Caution: Contaminated surfaces may be slippery.

**SECTION 7: Handling and storage:**

**7.1 Precautions for safe handling:** Acetic acid is formed during processing. Wear appropriate personal protective equipment. Product may charge electrostatically during pouring or filling. Use only in well-ventilated areas. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Keep containers tightly closed.

**7.2 Conditions for safe storage, including any incompatibilities:** Keep away from food, drink and animal feeding stuffs. Keep container tightly closed and in a well-ventilated place.

**7.3 Specific end use(s):** No data available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters  
Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Biological Limit Values**

None.

**8.2 Exposure controls**

**Appropriate Engineering Controls:**

Eyewash bottle with clean water. Use only in well-ventilated areas. Observe good industrial hygiene practices.

**Individual protection measures, such as personal protective equipment**

**General information:**

Eyewash bottle with clean water. Use only in well-ventilated areas. When using do not eat, drink or smoke. Wash hands after handling.

**Eye/face protection:**

Safety glasses with side-shields conforming to EN166

**Skin protection**

**Hand Protection:**

Advice: Protective gloves made of : Neoprene. Polyvinyl chloride (PVC). Nitrile rubber. Always ensure that gloves are free from defects and that they are stored and used correctly.

**Other:**

No data available.

**Respiratory Protection:**

Respirator with a vapour filter (EN 141) If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respiratory protection mask with Filtertype ABEK

**Hygiene measures:**

Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation, especially in confined areas. Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke.

**Environmental exposure controls:**

No data available.

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**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

<b>Physical state:</b>	solid
<b>Form:</b>	Paste
<b>Color:</b>	Colorless
<b>Odor:</b>	Acetic acid.
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	> 93 °C (estimated)
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	ca. 1,099 g/cm <sup>3</sup> (20 °C)
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	Insoluble
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	Material is stable under normal conditions.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity:</b>	No data available.
<b>10.2 Chemical Stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Hazardous polymerisation does not occur.
<b>10.4 Conditions to avoid:</b>	Reacts with water liberating small amounts of acetic acid.
<b>10.5 Incompatible Materials:</b>	Strong Acids, Strong Bases
<b>10.6 Hazardous Decomposition Products:</b>	Carbon oxides Oxides of silicon. Acetic acid. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

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**SECTION 11: Toxicological information**

**General information:** Our Experience shows that our Silicone Elastomer products can be handled without risk to health if used properly and if the usual precautions for industrial hygiene are observed.

**Information on likely routes of exposure**

**Inhalation:** No data available.  
**Ingestion:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.

**11.1 Information on toxicological effects**

**Acute toxicity**

**Oral**

**Product:** ATEmix: 18.902,44 mg/kg  
**Specified substance(s)**  
 ethyltriacetoxysilane LD 50 (Rat): 2.415 mg/kg  
 Methyltriacetoxysilane LD 50 (Rat): 1.830 mg/kg  
 LD 50 (Rat): 1.550 mg/kg

**Dermal**

**Product:** Not classified for acute toxicity based on available data.  
**Specified substance(s)**  
 ethyltriacetoxysilane No data available.  
 Methyltriacetoxysilane No data available.

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.  
**Specified substance(s)**  
 ethyltriacetoxysilane No data available.  
 Methyltriacetoxysilane No data available.

**Repeated dose toxicity**

**Product:** No data available.  
**Specified substance(s)**  
 ethyltriacetoxysilane No data available.  
 Methyltriacetoxysilane No data available.

**Skin Corrosion/Irritation:**

**Product:** Irritating.  
 OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) The health hazard evaluation is based on the toxicological properties of a similar material.  
**Specified substance(s)**  
 ethyltriacetoxysilane No data available. (Rabbit): Corrosive  
 Methyltriacetoxysilane OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit): Corrosive

**Serious Eye Damage/Eye Irritation:** Not irritating

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<b>Product:</b>	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) The health hazard evaluation is based on the toxicological properties of a similar material.
<b>Specified substance(s)</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. (Rabbit): Irritating to eyes. OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Corrosive
<b>Respiratory or Skin Sensitization:</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.
<b>Germ Cell Mutagenicity</b>	
<b>In vitro</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.
<b>In vivo</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.
<b>Carcinogenicity</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.
<b>Reproductive toxicity</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.
<b>Specific Target Organ Toxicity - Single Exposure</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.

**Aspiration Hazard**

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**Product:** No data available.

**Specified substance(s)**

ethyltriacetoxysilane No data available.  
Methyltriacetoxysilane No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

ethyltriacetoxysilane No data available.  
Methyltriacetoxysilane No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

ethyltriacetoxysilane No data available.  
Methyltriacetoxysilane No data available.

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

ethyltriacetoxysilane No data available.  
Methyltriacetoxysilane No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

ethyltriacetoxysilane No data available.  
Methyltriacetoxysilane No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

ethyltriacetoxysilane No data available.  
Methyltriacetoxysilane No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

ethyltriacetoxysilane No data available.  
Methyltriacetoxysilane No data available.

**BOD/COD Ratio**



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<b>Product</b>	No data available.
<b>Specified substance(s)</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.
<b>12.3 Bioaccumulative Potential</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.
<b>12.4 Mobility in Soil:</b>	No data available.
<b>Known or predicted distribution to environmental compartments</b> ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.
<b>12.5 Results of PBT and vPvB assessment:</b>	No data available.
ethyltriacetoxysilane Methyltriacetoxysilane	No data available. No data available.
<b>12.6 Other Adverse Effects:</b>	No data available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

<b>General information:</b>	The generation of waste should be avoided or minimized wherever possible. See Section 8 for information on appropriate personal protective equipment. Do not discharge into drains, water courses or onto the ground.
<b>Disposal methods:</b>	Can be incinerated when in compliance with local regulations.

**SECTION 14: Transport information**

**ADR**

Not regulated.

**ADN**

Not regulated.

**RID**

Not regulated.

**IMDG**

Not regulated.

**IATA**

Not regulated.

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**14.6 Special precautions for user:** This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Protect from moisture. Keep away from food, foodstuff, acids and bases. keep away from odour sensitive materials

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

not applicable

**SECTION 15: Regulatory information**

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

**EU Regulations**

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**Regulation (EC) No. 689/2008 Import and export of dangerous chemicals:** none

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:** none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:** none

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:** none

**Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:** none

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:** none

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:** none

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

**Inventory Status**

Australia AICS:	y (positive listing)
EU EINECS List:	y (positive listing)
Japan (ENCS) List:	y (positive listing)
China Inventory of Existing Chemical Substances:	y (positive listing)
Korea Existing Chemicals Inv. (KECI):	y (positive listing)
Canada DSL Inventory List:	y (positive listing)
Canada NDSL Inventory:	n (Negative listing)
Philippines PICCS:	y (positive listing)

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US TSCA Inventory: y (positive listing)  
Taiwan. Taiwan inventory n (Negative listing)  
(CSNN):

**SECTION 16: Other information**

**Revision Information:** Not relevant.

**Key literature references and sources for data:** No data available.

**Wording of the H-statements in section 2 and 3**

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

**Training information:** No data available.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Skin Corr. 2, H315

**Issue Date:** 07.07.2016

**Disclaimer:**

**Notice to reader**

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only. They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

**Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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