

TIG210BX/S\_PL UN/55.1LB-25KG

# 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:** TIG210BX/S\_PL UN/55.1LB-25KG

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

**Identified uses:** Sealant

**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.**

#### Environmental Hazards

Chronic hazards to the aquatic environment

Category 2

H411: Toxic to aquatic life with long lasting effects.

### 2.2 Label Elements



**Hazard Statement(s):** H411: Toxic to aquatic life with long lasting effects.

#### Precautionary Statements

**Prevention:** P273: Avoid release to the environment.

**Response:** P391: Collect spillage.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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**Unknown toxicity - Environment**

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment 0 %

**Additional Information:** No data available.

**2.3 Other hazards** No data available.

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

**Chemical nature:** Polydimethylsiloxane containing vinyl groups with filler and pigment.

**3.2 Mixtures**

**General information:** No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Zinc oxide	10 - <25%	1314-13-2	215-222-5	No data available.	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
Zinc oxide	Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410;	No data available.

CLP: Regulation No. 1272/2008.

**SECTION 4: First aid measures**

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

**4.1 Description of first aid measures**

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms persist.

**Eye contact:** Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.

**Skin Contact:** After contact with skin, remove product mechanically. Wash area with soap and water. Contact physician if irritation continues.

**Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water. Do not give victim anything to drink if he is unconscious. Get medical attention if any discomfort continues.

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

None known.

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

**Hazards:**

This product is not expected to produce adverse effects under normal conditions of use and appropriate personal hygiene.

**Treatment:**

If swallowed, do NOT induce vomiting. Give a glass of water.

**SECTION 5: Firefighting measures**

**General Fire Hazards:**

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

**5.1 Extinguishing media  
Suitable extinguishing media:**

All standard extinguishing agents are suitable.

**Unsuitable extinguishing media:**

Avoid water in straight hose stream; will scatter and spread fire.

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

In case of fire, carbon monoxide and carbon dioxide may be formed. Avoid water in straight hose stream; will scatter and spread fire.

**5.3 Advice for firefighters  
Special fire fighting procedures:**

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

**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:**

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. Ground container and transfer equipment to eliminate static electric sparks.

**6.2 Environmental Precautions:**

Do not allow runoff to sewer, waterway or ground.

**6.3 Methods and material for containment and cleaning up:**

Eliminate sources of ignition. Absorb spill with vermiculite or other inert material. Shovel up and place in a container for salvage or disposal.

**6.4 Reference to other sections:**

Avoid discharge into water courses or onto the ground. Caution: Contaminated surfaces may be slippery.

**SECTION 7: Handling and storage:**

**7.1 Precautions for safe handling:**

Wear appropriate personal protective equipment. Keep away from food, drink and animal feeding stuffs. Use only in well-ventilated areas. Do not eat, drink or smoke when using the product.

**Storage conditions:**

Store in original container.

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**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. Store in a cool, dry place.

**Storage Stability:** Material is stable under normal conditions.

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

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

**8.1 Control Parameters**

**Occupational Exposure Limits**

Chemical name	Type	Exposure Limit Values	Source
Aluminum oxide - Inhalable dust.	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Aluminum oxide - Respirable dust.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

**Biological Limit Values**

None.

**8.2 Exposure controls**

**Appropriate Engineering Controls:** Eyewash bottle with clean water. Observe good industrial hygiene practices.

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

**General information:** Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Wash hands after handling. Avoid contact with skin and eyes.

**Eye/face protection:** Safety glasses with side-shields conforming to EN166

**Skin protection**

**Hand Protection:** Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

**Other:** Wear suitable protective clothing.

**Respiratory Protection:** No protection is ordinarily required under normal conditions of use and with adequate ventilation. In case of inadequate ventilation use suitable respirator.

**Hygiene measures:** Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat, drink or smoke.

**Environmental exposure controls:** No data available.

**SECTION 9: Physical and chemical properties**

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

**Appearance**

**Physical state:** solid

**Form:** Paste

**Color:** Gray

**Odor:** Faint

**Odor Threshold:** No data available.

**pH:** No data available.

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<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	350 °C
<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>	2,9 g/cm <sup>3</sup> (23 °C)
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	immiscible
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.
<b>Autoignition Temperature:</b>	450 °C
<b>Decomposition Temperature:</b>	No decomposition if stored and applied as directed.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	> 20,5 mm <sup>2</sup> /s
<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>	None known.
<b>10.5 Incompatible Materials:</b>	None known.
<b>10.6 Hazardous Decomposition Products:</b>	Carbon oxides Oxides of silicon. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

**SECTION 11: Toxicological information**

**General information:** Experience has shown, that the above mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.

**Information on likely routes of exposure**

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

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**11.1 Information on toxicological effects**

**Acute toxicity**

**Oral**

**Product:** Not classified for acute toxicity based on available data.

**Specified substance(s)**  
 Zinc oxide LD 50 (Rat): > 5.000 mg/kg

**Dermal**

**Product:** Not classified for acute toxicity based on available data.

**Specified substance(s)**  
 Zinc oxide No data available.

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Specified substance(s)**  
 Zinc oxide No data available.

**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**Skin Corrosion/Irritation:**

**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available. (Rabbit): No skin irritation

**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available. (Rabbit): slightly irritating (not classified according to the German Dangerous Substances legislation)

**Respiratory or Skin Sensitization:**

**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**In vivo**

**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**Carcinogenicity**

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**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**Reproductive toxicity**  
**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**Specific Target Organ Toxicity - Single Exposure**  
**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**Specific Target Organ Toxicity - Repeated Exposure**  
**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**Aspiration Hazard**  
**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**Other effects:** No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

Zinc oxide LC50 (Zebra Fish, 96 h): 1.793 mg/l Fresh water

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Zinc oxide EC50 (Daphnia magna, 48 h): 2,6 mg/l (OECD Test Guideline 202) Fresh water

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

Zinc oxide No data available.

**Aquatic Invertebrates**

**Product:** No data available.

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**Specified substance(s)**  
 Zinc oxide No data available.

**Toxicity to Aquatic Plants**  
**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): 24 mg/l (OECD Test Guideline 201)  
 IC50 (Algae (Pseudokirchneriella subcapitata), 72 h): 136 mg/l (OECD Test Guideline 201)

**12.2 Persistence and Degradability**

**Biodegradation**  
**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**BOD/COD Ratio**  
**Product** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**12.3 Bioaccumulative potential**

**Product:** No data available.

**Specified substance(s)**  
 Zinc oxide No data available.

**12.4 Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**  
 Zinc oxide No data available.

**12.5 Results of PBT and vPvB assessment:** No data available.

Zinc oxide No data available.

**12.6 Other adverse effects:** No data available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**General information:** 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.

**Disposal methods:** Can be incinerated when in compliance with local regulations.

**SECTION 14: Transport information**

**ADR**

14.1 UN Number: UN 3077  
 14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)  
 14.3 Transport Hazard Class(es)  
 Class: 9  
 Label(s): 9



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Hazard No. (ADR): 90  
Tunnel restriction code: (E)  
14.4 Packing Group: III  
14.5 Environmental Hazards: Environmentally hazardous  
Marine Pollutant: Yes

**ADN**

14.1 UN Number: UN 3077  
14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)  
14.3 Transport Hazard Class(es)  
Class: 9  
Label(s): 9  
14.4 Packing Group: III  
14.5 Environmental Hazards: Environmentally hazardous  
Marine Pollutant: Yes

**RID**

14.1 UN Number: UN 3077  
14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)  
14.3 Transport Hazard Class(es)  
Class: 9  
Label(s): 9  
14.4 Packing Group: III  
14.5 Environmental Hazards: Environmentally hazardous  
Marine Pollutant: Yes

**IMDG**

14.1 UN Number: UN 3077  
14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)  
14.3 Transport Hazard Class(es)  
Class: 9  
Label(s): 9  
EmS No.: F-A, S-F  
14.4 Packing Group: III  
14.5 Environmental Hazards: Environmentally hazardous  
Marine Pollutant: Yes

**IATA**

14.1 UN Number: UN 3077  
14.2 Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.(zinc oxide)  
14.3 Transport Hazard Class(es):  
Class: 9  
Label(s): 9MI  
14.4 Packing Group: III  
14.5 Environmental Hazards: Environmentally hazardous  
Marine Pollutant: Yes

**14.6 Special precautions for user:** Keep away from food, drink and animal feeding stuffs.

**14.7 Transport in bulk according to Annex II of MARPOL 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. 649/2012 Import and export of dangerous chemicals:** none

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

**EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):** 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:**

Chemical name	CAS-No.	Concentration
Aluminum oxide	1344-28-1	70 - 80%

**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:	n (Negative listing)	Remarks: None.
Canada DSL Inventory List:	n (Negative listing)	Remarks: None.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	y (positive listing)	Remarks: None.
China Inventory of Existing Chemical Substances:	q (quantity restricted)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	Please contact your supplier for further information on the inventory status of this material.	Remarks: Polymer exemption
Canada NDSL Inventory:	n (Negative listing)	Remarks: None.
Philippines PICCS:	n (Negative listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: None.
New Zealand Inventory of Chemicals:	n (Negative listing)	Remarks: None.
Taiwan. Taiwan inventory (CSNN):	y (positive listing)	Remarks: None.

**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**

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

**Training information:** No data available.

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

1, H400  
Aquatic Chronic 1, H410

**Issue Date:** 12.08.2018

**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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