

Safety Data Sheet

Material: 60092920

**WACKER SN SEA GHS
WHITE**

Version: 3.0 (SG)

Date of print: 03.04.2020

Date of last alteration: 02.04.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Commercial product name:** **WACKER SN SEA GHS
WHITE****1.2 Relevant identified uses of the substance or mixture and uses advised against**Use of substance / preparation:
Commercial.
Sealants**1.3 Details of the supplier of the safety data sheet**

Manufacturer/distributor: Wacker Chemicals Korea Inc.
Street/POB-No.: S-3F, 231 Pangyoyeok-ro
Pangyo Techno Valley
State/postal code/city: ROK Bundang-gu, Seongnam-si, 463-400
Telephone: +82 31 697-7200
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Contact point: Wacker Chemicals (South Asia) Pte. Ltd.
Street/POB-No.: 61 Science Park Road, # 06-09/12
Postal code/city: Singapore 117525
Country: Singapore
Telephone: +65 6542-6638

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**Emergency Information:** **+65 3158 1412****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Hazard class	Hazard category	Route of exposure	H-Code
Skin sensitisation	Category 1		H317
Germ cell mutagenicity	Category 1B		H340
Reproductive toxicity	Category 1B		H360F
Reproductive toxicity	Category 1B		H360D
Carcinogenicity	Category 2		H351
Long-term (chronic) aquatic hazard	Category 3		H412

2.2 Label elements

Pictogram(s):



Signal Word: Danger

H-Code	Hazard Statements
H340	May cause genetic defects.
H351	Suspected of causing cancer.
H360FD	May damage fertility. May damage the unborn child.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

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P-Code	Precautionary Statements
P102	Keep out of reach of children.
P103	Read label before use.
P280	Wear protective gloves/protective clothing/eye protection.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container to waste disposal.

Hazard ingredients (labelling):

Methyl-O,O',O''-butan-2-on-trioximo-silane

2-Butanone oxime

3-(2-Aminoethylamino)propyl trimethoxysilane

Methyl benzimidazol-2-yl-carbamate

propiconazole (ISO)

2.3 Other hazards

During the use of the product, 2-butanone oxime (methyl ethyl ketoxime, MEKO, CAS No. 96-29-7) is generated, which evaporates. 2-butanone oxime is classified as a health risk. The product hydrolyses under formation of methanol (CAS-Nr. 67-56-1). Methanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.

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

not applicable

3.2 Mixtures**3.2.1 Chemical characteristics**

Polydimethylsiloxane and fillers and auxiliaries and oximosilane cross-linker

3.2.2 Hazardous ingredients

Type	CAS No.	Substance	Content %
INHA	22984-54-9	Methyl-O,O',O''-butan-2-on-trioximo-silane	<5
VERU	96-29-7	2-Butanone oxime	<2
INHA	1760-24-3	3-(2-Aminoethylamino)propyl trimethoxysilane	<=1
INHA	10605-21-7	Methyl benzimidazol-2-yl-carbamate	<1
INHA	60207-90-1	propiconazole (ISO)	<0,5
INHA	34206-40-1	Butanone tetraoximo silane	<0,5

Type: INHA: ingredient, VERU: impurity

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above $\geq 0.1\%$.

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

Pregnant women exposed to this substance must always seek medical advice. In the event of allergic reactions, particularly those affecting the respiratory system, seek immediate medical advice. Observe self-protection for first aid.

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.

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After inhalation:

Keep the patient calm. If unconscious place in stable sideways position. Protect against loss of body heat. If breathing stops, administer artificial respiration. 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.

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

Product may cause cancer. In the event of prolonged contact with the substance, long-term monitoring of relevant parameters is advisable. Product causes heritable genetic damage. Product contains reproductive toxins (causes harm to the unborn child and /or impairs male or female reproductive function). Product can lead to sensitisation and can trigger allergies. After exposure, specialist advice (e.g. gynaecology/birth aid or, if necessary, toxicology/human genetics) is recommended. After inhalation: treat as early as possible using cortisone spray. Further toxicology information in section 11 must be observed.

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

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

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: 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. 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

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.

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).

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

General information:

Avoid exposure by technical measures or personal protective equipment.

Precautions for safe handling:

Ensure adequate ventilation. Must be syphoned off in situ. Observe information in section 8.

Precautions against fire and explosion:

Product can separate methanol. 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. Protect against moisture. 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.	Substance	Type	mg/m ³	ppm	Dust fract.	Fibre/m ³
60207-90-1	propiconazole	ARW	1,0			

Propiconazole (CAS No. 60207-90-1): ARW = occupational exposure limit of the VCI (German Chemical Industry Association).

Further information:

The exposure to the hydrolysis product MEKO (CAS-Nr. 96-29-7) should be restricted under consideration of local legislations and national and international health standards.

8.2 Exposure controls

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Avoid exposure - obtain special instructions before use. Avoid exposure of the substance to pregnant women. Observe standard industrial hygiene practices for the handling of chemical substances. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Use with adequate ventilation. Remove contaminated, soaked clothing immediately. Keep working clothes separately. Preventive skin protection recommended. Wash hands at the end of work and before eating. Clean work areas regularly. Provide emergency shower and eye-bath. Do not eat, drink or smoke when handling.

Personal protection equipment:**Respiratory protection**

If inhalative exposure above the occupational exposure limit cannot be excluded, adequate respiratory protection equipment must be used. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136. Recommended Filter type: Gas filter type ABEK (certain inorganic, organic and acidic gases and vapors; ammonia/amines), according to acknowledged standards such as EN 14387

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

Eye protection

protective goggles .

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Hand protection

Protective gloves are required at all times when handling the material, according to recognized standards such as EN374.

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.

Skin protection

protective clothing .

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:
Appearance		
Physical state	liquid	
Form	paste	
Colour	white	
Odour		
Odour	organic	
Odour limit		
Odour limit	no data available	
pH-Value		
pH-Value	not applicable	
Melting point/freezing point		
Melting point / melting range	not applicable	
Initial boiling point and boiling range		
Boiling point / boiling range	not applicable	
Flash point		
Flash point	not applicable	
Evaporation rate		
Evaporation rate	no data available	
Upper/lower flammability or explosive limits		
Lower explosion limit (LEL)	not applicable	
Vapour pressure		
Vapour pressure	not determined	
Solubility(ies)		
Water solubility / miscibility	not determined	
Vapour density		
Relative gas/vapour density	No data known.	
Relative Density		
Relative Density	1,01 (23 °C) (Water / 4 °C = 1,00)	(ISO 1183-1 A)
Density	1,01 g/cm ³ (23 °C)	(ISO 1183-1 A)
Partition coefficient: n-octanol/water		
Partition coefficient: n-octanol/water	No data known.	

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Auto-ignition temperature

Ignition temperature: not determined

Decomposition temperature

Thermal decomposition: no data available

Viscosity

Viscosity (dynamic): 150000 - 250000 mPa.s at 25 °C (not specified)

Molecular mass

Molecular mass: not applicable

9.2 Other information

Solubility in water: Hydrolytic decomposition occurs. Explosion limits for released methanol: 5.5 - 44%(V).

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

Moisture, heat, open flames, and other sources of ignition.

10.5 Incompatible materials

Reacts with water, basic substances and acids. The reaction takes place with the formation of methanol.

10.6 Hazardous decomposition products

2-Butanone oxime and methanol by hydrolysis. 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****Product details:**

Route of exposure	Result/Effect	Species/Test system	Source
Oral	LD50: > 2009 mg/kg	Rat	Conclusion by analogy
dermal	LD50: > 2009 mg/kg	Rat	Conclusion by analogy

11.1.2 Skin corrosion/irritation**Product details:**

Result/Effect	Species/Test system	Source
not irritating	Rabbit	Conclusion by analogy

11.1.3 Serious eye damage / eye irritation**Product details:**

Result/Effect	Species/Test system	Source
not irritating	Rabbit	Conclusion by analogy

11.1.4 Respiratory or skin sensitization**Assessment:**

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

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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

Hydrolysis product / Impurity: 2-Butanone oxime (MEKO, CAS 96-29-7) is a dermal sensitizer and strongly irritating to the eyes. 2-Butanone oxime is rapidly absorbed from the gastrointestinal tract, upon contact with skin and after inhalation. After oral exposure of rats to MEKO in an acute neurotoxicity study, transient motor incoordination effects were observed. Prolonged exposure of animals led to damages of the olfactory epithelium and to an increase in the incidence of corneal dystrophy and opacities. Systemic effects in repeated dose studies (oral, inhalative) were hemolytic anemia and compensatory and extramedullary hematopoiesis as well as hemosiderosis in spleen and liver and increased levels of methemoglobin. In several of these studies, the effects were reversible. Gross histopathologic alterations were seen in spleen, lung and kidney. After chronic inhalative exposure to high vapor concentrations an increased incidence of hepatocellular carcinomas and adenomas was observed predominantly in male rats and mice. The significance of these results to human users has not been assessed.

SECTION 12: Ecological information**12.1 Toxicity****Assessment:**

For the product as a whole, no test data is available.

12.2 Persistence and degradability**Assessment:**

Silicone content: biologically not degradable. Separation by sedimentation.

12.3 Bioaccumulative potential**Assessment:**

Bioaccumulation is not expected to occur.

12.4 Mobility in soil**Assessment:**

Silicone content: Insoluble in water.

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12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

none known

12.7 Additional information

In cross-linked state not soluble in water. Easily separable from water by filtration.

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.

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.

15.2 Details of international registration status

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

Australia : **AICS** (Australian Inventory of Chemical Substances):
This product is listed in, or complies with, the substance inventory.

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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): This product is not listed or 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.

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.

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 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.

- End of Safety Data Sheet -