

# Safety Data Sheet

Material: 60103305

**WACKER® VS  
WHITE**

Version 1.8 (SG)

Print Date 24.08.2023

Date of last alteration: 10.07.2023

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Commercial product name:** **WACKER® VS  
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**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  
**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**

Not a hazardous substance or mixture.

**2.2 Label elements**

No labeling according to GHS required.

**2.3 Other hazards**

No data available.

Endocrine disrupting properties - human health: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine disrupting properties - environment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

not applicable

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

acrylate + auxiliary .

**3.2.2 Hazardous ingredients**

Type	CAS No.	Substance	Content %
INHA	107-21-1	1,2-Ethanediol	>=1 – <3

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INHA	108-31-6	Maleic anhydride	>=0,1 – <0,3
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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:**

Take persons to a safe place. Observe self-protection for first aid. In the event of allergic reactions, particularly those affecting the respiratory system, seek immediate medical advice.

**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. 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 can lead to sensitisation and can trigger allergies. 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.

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## 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).

## 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:

Observe information in section 8.

#### Precautions against fire and explosion:

Observe the general rules for fire prevention.

### 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

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### 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. Observe standard industrial hygiene practices for the handling of chemical substances. Avoid contact with eyes and skin. Preventive skin protection recommended. Wash hands at the end of work and before eating. Keep working clothes separately. Remove contaminated, soaked clothing immediately. Clean work areas regularly. Provide emergency shower and eye-bath. Do not eat, drink or smoke when handling.

##### Further information for system design and engineering measures

Observe information in section 7. Observe national regulatory requirements.

##### Personal protection equipment:

##### Respiratory protection

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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, according to acknowledged standards such as EN 166.

**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

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, according to acknowledged standards such as EN 13034.

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

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

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

Property:	Value:	Method:
<b>Appearance</b>		
Physical state .....	liquid	
Form .....	paste	
Colour .....	white	
<b>Odour</b>		
Odour .....	almost odourless	
<b>Odour limit</b>		
Odour limit .....	no data available	
<b>pH-Value</b>		
pH-Value .....	Not applicable. Reacts with water.	
<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 .....	not applicable	
<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) .....	exempt	
<b>Vapour pressure</b>		
Vapour pressure .....	not applicable	
<b>Solubility(ies)</b>		
Water solubility / miscibility .....	completely miscible	
<b>Vapour density</b>		
Relative gas/vapour density .....	no data available	

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**Relative Density**Relative Density .....: 1,71 (23 °C) (ISO 1183-1 A)  
(Water / 4 °C = 1,00)Density .....: 1,71 g/cm<sup>3</sup> (23 °C) (ISO 1183-1 A)**Partition coefficient: n-octanol/water**

Partition coefficient: n-octanol/water.....: not applicable

**Auto-ignition temperature**

Ignition temperature .....: Not determined.

**Decomposition temperature**

Thermal decomposition .....: no data available

**Viscosity**

Viscosity (dynamic) .....: 100000 - 200000 mPa.s at 23 °C (Brookfield)

Viscosity (kinematic).....: no data available

**Molecular mass**

Molecular mass .....: not applicable

**9.2 Other information**

No data available.

**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 alcohols . The reaction takes place with the formation of acetic acid.

**10.6 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. Acetic acid by hydrolysis.

If stored and handled properly: none known. Acetic acid at increased temperature.

**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): > 2000 mg/kg**11.1.2 Skin corrosion/irritation****Assessment:**

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

**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 sensitisation****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:**

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

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**11.2.2 Further toxicological information**

None known.

**SECTION 12: Ecological information**

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**12.1 Toxicity****Assessment:**

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

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

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

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

No data known.

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

No data known.

**12.5 Results of PBT and vPvB assessment**

No data available.

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**12.6 Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects**

none known

**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.

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**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.

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**SECTION 14: Transport information****14.1 UN number or ID number**

ADR .....: Not applicable  
RID .....: Not applicable  
IMDG .....: Not applicable  
ICAO/IATA .....: Not applicable

**14.2 Proper shipping name**

ADR .....: Not applicable  
RID .....: Not applicable  
IMDG .....: Not applicable  
ICAO/IATA .....: Not applicable

**14.3 Transport hazard class**

ADR .....: Not applicable  
RID .....: Not applicable  
IMDG .....: Not applicable  
ICAO/IATA .....: Not applicable

**14.4 Packing group**

ADR .....: Not applicable  
RID .....: Not applicable  
IMDG .....: Not applicable  
ICAO/IATA .....: Not applicable

**14.5 Environmental hazards**

Environmentally hazardous: no

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**14.6 Special precautions for user**

Relevant information in other sections has to be considered.

**14.7 Maritime transport in bulk according to IMO instruments**

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.

Japan.....	<b>ENCS</b> (Handbook of Existing and New Chemical Substances): This product is not listed or in compliance with the substance inventory.
Australia .....	<b>AiIC</b> (Australian Inventory of Industrial Chemicals): This product is listed in, or complies with, the substance inventory.
China .....	<b>IECSC</b> (Inventory of Existing Chemical Substances in China): This product is not listed or in compliance with the substance inventory.
Canada.....	<b>DSL</b> (Domestic Substance List): This product is listed in, or complies with, the substance inventory.
Philippines .....	<b>PICCS</b> (Philippine Inventory of Chemicals and Chemical Substances): This product is not listed or in compliance with the substance inventory.
United States of America (USA) .....	<b>TSCA</b> (Toxic Substance Control Act Chemical Substance Inventory): This product is not listed or in compliance with the substance inventory.
Taiwan.....	<b>TCSI</b> (Taiwan Chemical Substance Inventory): This product is not listed or in compliance with the substance inventory.
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.
South Korea (Republic of Korea).....	<b>AREC</b> (Act on Registration and Evaluation of Chemicals; "K-REACH"): Please approach your regular contact for more detailed information.

**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](http://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 -**