



DRAWIN

Product Safety Data Sheet (1907/2006/EC)

Material: 60064972

WACKER® PRIMER AV B

Version: 1.5 (BE)

Printed on: 29.10.2020

Revised on: 31.08.2020

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

1.1 Product identification

Trade name: WACKER® PRIMER AV B

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

Use of the Substance/Preparation:
Industrial.

Raw material for: elastomeric products

This product is a polymer, which is exempt from registration on the basis of Regulation (EC) 1907/2006, Article 2.

1.3 Details of the supplier of the safety data sheet

Manufacturer/supplier:	DRAWIN Vertriebs-GmbH	
Street/P.O. box:	Rudolf-Diesel-Straße 15	
Country.id./postal code/city:	D 85521 Riemerling	
Telephone:	+49 89 60869-0	
Telefax:	+49 89 60869-250	
Information about the safety data sheet:	Telephone	+49 8677 83-4888
	Fax	+49 8677 886-9722
	E-mail	WLCP-MSDS@wacker.com

1.4 Emergency telephone number

inform. in case of emergency:		+44 1273 289451
Poison Control Center	Belgian Poison Control Center	070 245 245

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) Nr. 1272/2008:

Not a hazardous substance or mixture.

2.2 Label Elements

Labeling according to Regulation (EC) Nr. 1272/2008:

No GHS labeling necessary.

2.3 Other Hazards

Product may emit hydrogen. Risk of formation of hydrogen gas with water, alcohols, acids, metal salts, amines and bases. The released hydrogen can form oxyhydrogen gas in combination with oxygen.

SECTION 3: Composition/information on ingredients

3.1 Substances

3.1.1 Chemical characterization

polyhydromethylsiloxane

3.1.2 Contains hazardous substances

This product does not contain any ingredients in amounts above the permitted limit(s).

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

3.2 Mixtures

not applicable



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SECTION 4: First aid measures

4.1 Description of first aid measures

General:

In case of accident or if you feel unwell, seek medical advice (show the label where possible).

After contact with eyes:

Rinse immediately with plenty of water. If irritation persists, consult a physician.

After skin contact:

Wash with plenty of water or soapy water. In case of visible skin changes or complaints, seek the advice of a doctor (show label or safety data sheet if possible).

After inhalation:

Provide fresh air.

After ingestion:

Make sure to drink plenty of water in small portions. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Relevant data can be found in other sections of this section.

4.3 Indication of any immediate medical attention and special treatment needed

Read more information about the toxicology in section 11.

SECTION 5: Firefighting measures

5.1 Extinguishing Media

Suitable Extinguishing

Media: Fires can be controlled with water spray, foam or carbon dioxide. Larger fires are best fought with alcohol-resistant, water-film-forming foam extinguishers (AFFF-AR).

Extinguishing media not suitable for safety reasons:

water jet , extinguishing powder , halons .

5.2 Special hazards arising from the substance or mixture

In the event of a fire, hazardous combustion gases or vapors may be produced. Exposure to combustion products can be hazardous to health! Hazardous Combustion Products: Toxic and Highly Toxic Fumes . Be careful when using water-based extinguishing agents, as they can release hydrogen, which can accumulate in poorly ventilated or confined spaces after extinguishing the fire and lead to a new fire or explosions. Foam layers can also trap hydrogen or flammable vapors, causing soil explosions. Eliminate sources of ignition during cleaning and disposal.

5.3 Advice for firefighters

Special protective equipment for firefighters: Use compressed air equipment. Keep unprotected persons away.

General:

Fires involving SiH polysiloxane materials may be difficult to fight.

SECTION 6: Accidental release measures of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures

Secured environment. Wear personal protective equipment etc. (see section 8). Keep unprotected persons away. If material has been released, the risk of slipping must be pointed out. Do not walk through spilled material.



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6.2 Environmental Precautions

Do not allow to enter surface or waste water and do not enter the soil. Seal the leak if this can be done without danger. Dike escaping liquid with material suitable for this purpose (e.g. earth). Hold back and store polluted water/fire water. Deposit only in properly marked containers. In case of release into surface waters, sewers or the soil, notify the competent authorities.

6.3 Methods and material for containment and cleaning up

Take up mechanically and dispose of or process according to regulations. Do not flush with water. For small quantities: Wipe up with neutral (not alkaline / not acid), liquid-binding material such as kieselguhr and then dispose of according to instructions. For larger quantities: Liquids can be removed with suction units or pumps. Only use air-operated or properly set electrical devices. Use containers that have been vented for recording.

Remove any remaining slippery layer with detergent / soap solution or another biodegradable cleaning agent. Silicone oil is slippery; spilled substance therefore constitutes a safety hazard. To remedy the slipperiness, sand or another inert, granular material should be sprinkled.

Additional

instructions: Extract fumes. Remove ignition sources. Note Ex protection. Material scheduled for disposal should be kept away from substances listed as intolerable in point 10. Do not mix contaminated material with clean material. Do not hermetically close containers in which material has been collected. Follow the instructions under point 7.

6.4 Reference to other sections

Please note relevant data in other sections. This is especially true for data on personal protective equipment (section 8) and waste disposal (section 13).

SECTION 7: Handling and storage

7.1 Precautions for safe handling of the substance or mixture

Instructions for safe use: Ensure good ventilation of the room and the workplace. Carefully open and use packaging. Keep containers closed when not in use. Keep away from substances incompatible with this substance (see point 10). If possible, inert equipment and fill containers with nitrogen to reduce oxygen content. Further information on the safe handling of H-siloxanes can be obtained from WACKER. Avoid formation of aerosols. Special safety measures must be taken when aerosols are formed (exhaust ventilation, respiratory protection). Spilled material creates a slip hazard. Please follow the instructions in section 8.

Advice on protection against fire and explosion: Product may emit hydrogen. Vapors can form a mixture with air in enclosed spaces which, if ignition sources are present, can also lead to explosions in empty, uncleaned containers. Keep away from sources of ignition and do not smoke. Take measures to prevent static charging. Keep endangered containers cool with water.

7.2 Conditions for safe storage, including incompatibilities

Requirements for storage areas and packaging:

Do not store in new factory glass containers with an alkaline surface. Comply with the local official regulations.

Advice on storage together with other substances: Do

not store together with: basic substances (eg alkalis, ammonia, amines) , oxidizing agent Local , strong acids. Keep to the ter official regulations.

Other specifications regarding storage conditions: Keep dry and cool. Protect against moisture. Keep container in a well-ventilated place.

7.3 Specific End Uses

There are no data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters



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Occupational air limit values: CAS-No.

Dust	type mg/m ³	ppm	E/A	fiber/m ³
Aerosol – inhalable fraction		10.0		

The indicated limit value of aerosol is a recommendation for aerosol formation in the processing process.

8.2 Exposure controls

8.2.1 Occupational exposure controls

General protective and hygiene measures: Observe the general hygiene measures when handling chemicals. Do not eat, drink or smoke while working.

Personal protective equipment:

Respiratory protection

No personal respiratory protection required under normal use.

In case of exposure to mist, spray mist or aerosol wear suitable respiratory protection and protective clothing. Suitable respiratory equipment: Filtering half mask in accordance with recognized standards such as EN 149. Recommended filter type: FFP1 or equivalent filter, in accordance with recognized standards such as EN 149

The wearing time limits for respiratory protective equipment as well as the manufacturer's instructions must be observed.

Eye protection

Recommendation: Safety goggles .

Hand protection

The use of protective gloves is recommended when handling this product.

Recommended glove material: Protective nitrile rubber gloves

Material thickness > 0.1 mm

Breakthrough time: > 480 min

Recommended glove material: Protective gloves made of butyl rubber

Material thickness > 0.3 mm

Breakthrough time: > 480 min

Observe the instructions regarding permeability and break through time, as provided by the supplier of the gloves. Also consider specific local conditions of use, such as risk of cuts, abrasion and contact time. Please note that the daily service life of chemical protective gloves in practice is significantly shorter than the permeation time established in tests due to the many influencing factors (e.g. temperature).

8.2.2 Environmental Exposure Controls

Do not allow to enter surface or waste water and do not enter the soil.

8.3 Additional instructions regarding the design of technical installations

Follow the instructions in section 7. Follow the national government regulations.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Characteristic:	Value:	Method:
Prevent		
Physical state	: liquid	
Color	: colorless	
Odor		
Odor	: odorless	



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odor threshold

Odor Threshold: no data available **pH-Value** pH-Value.....: void **Melting/**

freezing point

Melting point/melting range.....: < -50 °C

Initial boiling point and boiling

range Boiling point / boiling range

void Flash

point Flash point: > 110

(ISO3679)

°C Flash point: 160

(ISO2719)

°C Evaporation rate

Evaporation rate.....: no data available **Upper/ lower**

flammability or explosive limits Lower explosion

limit: void Upper explosion

limit: void **Vapor pressure**

Vapor pressure: not applicable

Solubility

Degree of solubility in water.....: virtually insoluble

Vapor density

relative gas/vapour density.....: No data available.

relative density

Relative density.....: 0.94 - 0.98 (20°C)

(DIN 51757)

(Water / 4 °C = 1.00)

Density: 0.94 - 0.98 g/cm³ (20 °C)

(DIN 51757)

Partition coefficient: n-octanol/water

Partition coefficient: n-octanol/water.....: No data available.

Auto-ignition temperature

Ignition temperature: 220 °C

(No data)

Decomposition temperature

Thermal Decomposition: > 100 °C

Viscosity

Viscosity (dynamic).....: 100 mPa.s at 25 °C

Molecular mass

Molecular Mass: No data available

9.2 Other Information

As far as is known to date, the temperature at which polymeric siloxanes with SiH bonds spontaneously ignite is above 240 °C. In certain cases, ignition has already occurred at much lower temperatures on catalytically active substrates. This applies to porous or fibrous substances with possibly alkaline surface, e.g. technical insulation materials. Explosion limits for released hydrogen: 4 - 75.6 vol-%. pH value: Product reacts neutrally.

SECTION 10: Stability and reactivity

10.1 – 10.3 Reactivity; chemical stability; Possibility of hazardous reactions 10.2

10.3–

No dangerous reactions known when used and stored properly.

Relevant information may be found in other sections of this section.

10.4 Conditions to Avoid

Moisture, heat, open flames and other sources of ignition. Contact with contaminated pipelines and containers or with corroded or corroded containers can result in increased hydrogen formation. Follow the instructions in section 7.

10.5 Incompatible materials

proton active substances. Reacts violently with: acids , basic substances (e.g. alkalis, ammonia, amines) . Responds with: alcohols water , humidity , oxidizing agent , catalyst . The reaction takes place with the formation of hydrogen.



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10.6 Hazardous decomposition products

Large amounts of hydrogen can quickly be released from the product on contact with incompatible substances. Measurements have shown that a small amount of formaldehyde is split off by oxidative decomposition at temperatures of approx. 150 °C and higher.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Product data: Route

of exposure Result/Effect	Example/test system	Source
Oral LD50: > 2000 mg/kg No mortality observed up to this dose.	Rat	Investigation report
Oral LD50: > 15000 mg/kg	Rat	Analogy decision
dermal LD50: > 2000 mg/kg No mortality has been observed up to this dose.	Rabbit	Onderz.ber.

11.1.2 Skin corrosion/irritation

Product data:

Result/Operation	Example/test system	Source
No skin irritation	Rabbit	Analogy decision

11.1.3 Serious eye damage/eye irritation

Product data:

Result/Operation	Example/test system	Source
No eye irritation	Rabbit	Analogy decision

11.1.4 Respiratory/skin sensitization

Product data:

Route of exposure Result/Effect	Example/test system	Source
dermal Does not cause skin sensitisation.	Guinea pig; Maximization test	Analogy decision OECD 406

11.1.5 Germ cell mutagenicity

Judgement:

For this endpoint no toxicological study data are available for the entire product.

11.1.6 Carcinogenicity

Judgement:

For this endpoint no toxicological study data are available for the entire product.

11.1.7 Reproductive Toxicity

Judgement:

For this endpoint no toxicological study data are available for the entire product.

11.1.8 Specific target organ toxicity - single exposure

Judgement:

For this endpoint no toxicological study data are available for the entire product.

11.1.9 Specific target organ toxicity - repeated exposure

Judgement:

For this endpoint no toxicological study data are available for the entire product.



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11.1.10 Aspiration hazard

Judgement:

For this endpoint no toxicological study data are available for the entire product.

SECTION 12: Ecological information

12.1 Toxicity

Judgement:

Based on available data, no effects on aquatic organisms relevant for classification are to be expected up to the maximum water solubility of the product. Based on the experience gained to date, no adverse effects in treatment plants are to be expected.

Product data:

Result/Effect >	Example/test system	Source
1000 mg/l (nominal) effect level > maximum achievable concentration	static (water-accommodated fraction) fish (96 h)	Literature (Polydimethylsiloxane)
EC50: > 0.0001 mg/l (measured) effect level > maximum achievable concentration	static (water-accommodated fraction) Daphnia magna (48 h)	Literature (Polydimethylsiloxane)
IC50 (growth rate): > 100000 mg/l (nominal) effect level > maximum achievable concentration	static (water-accommodated fraction) seaweed (skeletonema costatum) (72 h)	Literature (Polydimethylsiloxane)
NOEC: > 10000 mg/kg	feeding study rainbow trout (Oncorhynchus mykiss) (28 d)	Literature (Polydimethylsiloxane)
NOEC (mortality, growth, reproduction): > 500 mg/kg Exposure to treated sediment produced no effects.	exposure through sediment Daphnia magna (21 d)	Literature (Polydimethylsiloxane)

12.2 Persistence and degradability

Judgement:

Silicone content: Biologically non-degradable. Elimination by adsorption in activated sludge.

12.3 Bioaccumulation

Assessment:

Polymer component: Not likely to bioaccumulate.

12.4 Mobility in soil

Judgement:

Polymer component: insoluble in water. Adsorbs to soil.

12.5 Results of PBT and vPvB assessment

There are no data available.

12.6 Other adverse effects

none known



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SECTION 13: Disposal considerations

13.1 Waste Treatment Methods

13.1.1 Product

Recommendation: Danger of oxyhydrogen formation on contact with the substances listed under 10. Material scheduled for disposal should be kept away from substances listed as intolerable in point 10. Waste from this product must not be mixed with other wastes. The waste containers should be equipped with pressure compensation devices, e.g. caps with ventilation. Material that cannot be reused or reprocessed should be disposed of by a recognized agency in accordance with local, national, and governmental regulations. Depending on regulations, waste treatment methods may also include disposal to landfill or incineration.

13.1.2 Uncleaned packaging

Recommendation: Reservoirs may contain dangerous amounts of hydrogen. Containers that have not been cleaned must not be reused and filled with other materials due to the possible reaction of residual product residues with material incompatible with these residues. Packaging must be completely emptied (drip-free, dust-free, emptied with a spatula). Packaging should preferably be reused resp. to be recycled. Packaging that cannot be cleaned should be treated as the substance itself.

13.1.3 Waste code no. (EC)

It is not possible to determine a waste code according to the European waste catalog (EWC) for this product, as it is only possible to assign it to the consumer by its purpose of use. The waste code must be determined within the EU in consultation with the disposer.

SECTION 14: Transport information

14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

Road ADR:

Rating.....: No dangerous goods

Railroad RID:

Rating.....: No dangerous goods

Transport by sea IMDG-Code:

Rating.....: No dangerous goods

Transport by air ICAO-TI/IATA-DGR:

Rating.....: No dangerous goods

14.5 Environmental hazards

Environmentally hazardous: no

14.6 Special precautions for user

Air transport: For safety reasons no air transport of inner packagings > 1 kg!

Please note relevant data in other sections.

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

Bulk transport in tankers is not envisaged.

SECTION 15: Regulatory information

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

National and local regulations must be followed.

Information about registration can be found in chapter 2 of this document.



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Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III):

Does not apply

Other regulations, restrictions and prohibitions:

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals:
Not applicable **15.2 Chemical**

safety assessment

This product does not require a chemical safety assessment according to EC regulation 1907/2006 (REACH).

15.3 Data related to International Registration Status

If relevant data for the

individual substance inventories are available, these are listed below.

- Japan..... : **ENCS** (Handbook of Existing and New Chemical Substances):
This product is listed in or complies with the substance inventory.
- Australia : **AICS** (Australian Inventory of Chemical Substances):
This product is listed in or complies with the substance inventory.
- China..... : **IECSC** (Inventory of Existing Chemical Substances in China):
This product is listed in or complies with the substance inventory.
- Canada..... : **DSL** (Domestic Substance List):
This product is listed in or complies with the substance inventory.
- Philippines : **PICCS** (Philippine Inventory of Chemicals and Chemical Substances):
This product is listed in or complies with the substance inventory.
- United States of America (USA) : **TSCA** (Toxic Substance Control Act Chemical Substance Inventory):
All components of this product are listed as active or in compliance with the Inventory of Chemical Substances.
- Taiwan..... : **TCSI** (Taiwan Chemical Substance Inventory): This product is listed or compliant with the Inventory of Chemical Substances.
General remark: The Taiwan Chemicals Regulation requires Phase 1 registration for substances listed in or compliant with the TCSI if import to Taiwan or production in Taiwan exceeds the threshold of 100 kg/year (for mixtures this must be calculated per component). It is the duty of the importing/producing legal entity to ensure this obligation.
- European Economic Area (EEA)..... : **REACH** (Regulation (EC) No. 1907/2006): General
note: Registration obligations imposed on the basis of manufacture in or import into the EEA by the parties referred to in paragraph 1 suppliers will be paid by them.
Registration obligations arising from imports to the EEA by customers or downstream users will be met by them.
- South Korea (Republic of Korea) : **AREC** (Registration and Evaluation of Chemicals Act; "K REACH"):
Please contact your regular WACKER contact person for more detailed information.



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SECTION 16: Other information

16.1 Products

The information in this document is based on the state of our knowledge at the time of revision. They do not constitute a statement about the properties of the described product within the meaning of the statutory warranty regulations.

The provision of this document does not relieve the purchaser of the product of its responsibility to comply with applicable laws and regulations relating to the product. This applies in particular to the further sale of the product or mixtures or articles manufactured with it in other jurisdictions, as well as to industrial property rights of third parties. If the product described is processed or mixed with other materials, the data contained in this document cannot be transferred to the product thus manufactured, unless expressly stated so. When repackaging the product, the customer is responsible for enclosing the applicable safety information.

WACKER restricts the use of its products within the human body or in contact with body fluids and mucous membranes. For more information, see our Health Care Policy at www.wacker.com. WACKER may cancel any delivery obligation if the Healthcare Policy is not adhered to.

16.2 Additional instructions:

Commas in numeric data represent the decimal point. Vertical stripes on the left edge indicate changes from the previous version. This version supersedes all previous versions.

- End of safety data sheet -