

SAFETY DATA SHEET

Material: 60096739

WACKER® PRIMER G 790 TOLUENE FREE

Version 1.5 (US)

Print Date 11/20/2023

Date of last alteration: 05/24/2023

1. Product and company identification**1.1 Identification of the substance or preparation:**

Trade name WACKER® PRIMER G 790 TOLUENE FREE
Product group: Primer
Use of the Substance/Mixture Industrial. Commercial. primer .

1.2 Company/undertaking identification:

Manufacturer/distributor: Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 München
Germany
Customer information: Wacker Chemical Corporation
4950 S State Road
Ann Arbor, MI 48108
InfoLine:
Tel (517) 264-8240
Hours of operation:
Monday - Friday, 8 am to 5 pm (eastern standard time)
Corporate website: www.wacker.com
Emergency telephone no. (24h): (517) 264-8500
Transportation emergency: (800) 424-9300 (CHEMTREC, USA)
(703) 527-3887 (CHEMTREC, international)

This SDS was prepared by the Regulatory Affairs and Product Safety Department (RAPS) of Wacker Chemical Corporation.

2. Hazards identification**2.1 Classification of the substance or mixture****Classification (GHS):**

Classification	H-Code
Serious eye damage/eye irritation, Category 1	H318
Skin corrosion/irritation, Category 2	H315
Long-term (chronic) aquatic hazard, Category 2	H411
Aspiration hazard, Category 1	H304
Flammable liquids, Category 2	H225
Specific target organ toxicity - single exposure, Category 3	H336

2.2 Label elements**Labelling (GHS):**

Pictogram(s):



Signal word: Danger

H-Code	Hazard statements
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

Material: 60096739

WACKER® PRIMER G 790 TOLUENE FREE

Version 1.5 (US)

Print Date 11/20/2023

Date of last alteration: 05/24/2023

P-Code	Precautionary statements
P280	Wear protective gloves/protective clothing/eye protection.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P331	Do NOT induce vomiting.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P501	Dispose of contents/container to waste disposal.

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 6.7 %.

2.3 Other hazards

Inhalation of aerosol spray may damage health.

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.

3. Composition/information on ingredients**3.1 Chemical characterization (preparation)**

Chemical characterization

silane and siloxane with functional groups+auxiliary+solvent

3.2 Information on ingredients:

Type	CAS-No.	Substance	Content [wt. %]		Note
			Lower	Upper	
INHA	90622-56-3	C7 - C9 Isoalkanes	>=75.0	<100.0	
INHA	5593-70-4	Organotitanium compound	>=5.0	<10.0	
INHA	78-10-4	Ethyl silicate	>=1.0	<3.0	

Type: HYD - by-product upon hydrolysis, INHA - ingredient, NEBE - by-product, MONO - residual monomer, VERU - impurity, VUL - by-product upon vulcanization. ***** Note:** C1 - IARC carcinogen, C2 - NTP carcinogen, C3 - OSHA carcinogen, NH - non-hazardous, R - reproductive toxin.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product. Specific chemical identities and/or exact percentage (concentration) of the composition may have been withheld as a trade secret.

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

4. First-aid measures**4.1 General information:**

Get medical attention if irritation or other symptoms occur. Take a copy of the Safety Data Sheet when going for medical treatment. Before seeking medical attention remove contaminated clothing and shoes.

4.2 If inhaled

If inhaled, remove to fresh air, keep the victim laying down and restful. Get medical attention if irritation occurs or if breathing becomes difficult.

4.3 In case of skin contact

If contact with skin, immediately flush skin with plenty of water or with water and soap. Get medical attention if irritation occurs.

4.4 In case of eye contact

If contact with eyes, immediately flush eyes with plenty of water for at least 15 min. Get medical attention immediately.

SAFETY DATA SHEET

Material: 60096739

WACKER® PRIMER G 790 TOLUENE FREE

Version 1.5 (US)

Print Date 11/20/2023

Date of last alteration: 05/24/2023

4.5 If swallowed

If swallowed, do not induce vomiting. Danger of aspiration. Get medical attention immediately.

5. Fire-fighting measures**5.1 Flammable properties:**

Property:	Value:	Method:
Flash point.....	2 °C (36 °F)	(ISO 13736)
Boiling point/boiling range	116 - 142 °C (241 - 288 °F) at 1013 hPa	(Lit.)
Lower explosion limit.....	0.9 %(V)	(not specified)
Upper explosion limit.....	no data available	
Ignition temperature	380 °C (716 °F)	(EN 14522)
NFPA Hazard Class (comb./flam.liquid).....	IB	

5.2 Fire and explosion hazards:

Extremely flammable liquid and vapor. Vapor may cause flash fire.

5.3 Recommended extinguishing media:

Carbon dioxide, water-mist dry sand

5.4 Unsuitable extinguishing media:

water jet

5.5 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

silicon dioxide, carbon dioxide, carbon monoxide, incompletely burnt hydrocarbons

5.6 Fire fighting procedures:

Fire fighters should wear full protective clothing including a positive pressure self-contained breathing apparatus.

6. Accidental release measures**6.1 Precautions:**

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours. If material is released indicate risk of slipping.

HAZWOPER PPE Level: C

6.2 Containment:

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Condense gasses/vapours/mists using a directed spray of water.

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

6.3 Methods for cleaning up

Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Exhaust vapours.

6.4 Further information:

Eliminate all sources of ignition.

7. Handling and storage**7.1 Handling****Precautions for safe handling:**

Ensure adequate ventilation. Must be syphoned off in situ. Spilled substance increases risk of slipping.

SAFETY DATA SHEET

Material: 60096739

WACKER® PRIMER G 790 TOLUENE FREE

Version 1.5 (US)

Print Date 11/20/2023

Date of last alteration: 05/24/2023

Precautions against fire and explosion:

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. Use explosion-protected equipment/fittings and spark-free tools.

7.2 Storage**Conditions for storage rooms and vessels:**

Make sure there is no possibility of entering the ground. Observe local/state/federal regulations.

Advice for storage of incompatible materials:

Do not store with: oxidizing agents . Observe local/state/federal regulations.

Further information for storage:

Keep container tightly closed and store in a cool, well ventilated place.

8. Exposure controls and personal protection**8.1 Engineering controls****Ventilation:**

Use only with adequate ventilation.

Local exhaust:

If spraying or other aerosol generating operations are performed, local exhaust ventilation designed to capture mists and sprays, such as a paint spray booth, is recommended.

8.2 Associate substances with specific control parameters such as limit values**Maximum airborne concentrations at the workplace:**

Substance	Type	mg/m ³	ppm	Dust fract.
Tetraethyl silicate	OSHA PEL	850.0	100.0	
Tetraethyl silicate	ACGIH TWA		10.0	

8.3 Personal protection equipment (PPE)**Respiratory protection:**

Recommendation in case of long or strong exposure: Use a NIOSH approved respirator for: organic vapors

Hand protection:

neoprene or nitrile rubber gloves

Eye protection:

chemical safety goggles

Other protective clothing or equipment:

Provide emergency shower and eye-bath. Additional skin protection, such as SARANEX coated Tyvek apron, over-sleeves, lab coat, coveralls, or protective suit should be worn if splashing could occur.

8.4 General hygiene and protection measures:

Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. Keep working clothes separately. When handling do not eat, drink, smoke or apply cosmetics. Wash thoroughly after handling.

9. Physical and chemical properties**9.1 Appearance**

Physical state: liquid
 Colour: yellowish
 Odour: almost odourless

9.2 Safety data**Property:****Value:****Method:**

Melting point.....: not applicable
 Boiling point/boiling range: 116 - 142 °C (241 - 288 °F) at 1013 hPa
 Flash point.....: 2 °C (36 °F)
 Ignition temperature: 380 °C (716 °F)

(Lit.)
 (ISO 13736)
 (EN 14522)

SAFETY DATA SHEET

Material: 60096739

WACKER® PRIMER G 790 TOLUENE FREE

Version 1.5 (US)

Print Date 11/20/2023

Date of last alteration: 05/24/2023

Lower explosion limit.....	0.9 %(V)	(not specified)
Upper explosion limit.....	no data available	
Vapour pressure.....	50 hPa / 25 °C (77 °F)	(EU-GL.A.4)
Vapour pressure.....	121 hPa / 50 °C (122 °F)	(DIN 13016-3)
Density	0.76 g/cm ³ at 23 °C (73 °F), at 1013 hPa	(DIN 51757)
Water solubility.....	practically insoluble	
pH	Not applicable. Insoluble in water.	
Partition coefficient: n-octanol/water	not applicable	
Viscosity, dynamic.....	0.76 mPa.s	
Viscosity, kinematic.....	1 mm ² /s at 25 °C (77 °F)	(DIN 51562-1)

9.3 Further information

No data available.

Odour Threshold

no data available

Thermal decomposition.....

no data available

10. Stability and reactivity

10.1 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.2 Conditions to avoid

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

10.3 Materials to avoid

Reacts with: acids , oxidizing agents , water and alkalis . The reaction takes place with the formation of alcohols.

10.4 Hazardous decomposition products

If stored and handled properly: none known. Butanol and ethanol under the effect of humidity.

10.5 Further information:

Hazardous polymerization cannot occur.

11. Toxicological information

11.1 Information on toxicological effects

11.1.1 General information

Data derived for the product as a whole are of higher priority than data for single ingredients.

11.1.2 Acute toxicity

Assessment:

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

Acute toxicity estimate (ATE):

ATE_{mix} (Oral): > 5000 mg/kg

Data on substances:

C7 - C9 Isoalkanes:

Exposure routes	Result/Effect
Oral	LD50 > 5000 mg/kg Species: Rat, Source: ECHA
dermal	LD50 > 2000 mg/kg Species: Rabbit, Source: literature
by inhalation (vapour)	LC50 > 21 mg/l; 4 h Mortality has been observed at the given dose level. Species: Rat, Source: ECHA

Page 5/10

SAFETY DATA SHEET

Material: 60096739

WACKER® PRIMER G 790 TOLUENE FREE

Version 1.5 (US)

Print Date 11/20/2023

Date of last alteration: 05/24/2023

11.1.3 Skin corrosion/irritation**Assessment:**

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

Data on substances:**C7 - C9 Isoalkanes:**

Irritating
(Species: not specified, Source: ECHA)

11.1.4 Serious eye damage/eye irritation**Assessment:**

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

Data on substances:**C7 - C9 Isoalkanes:**

No eye irritation
(Species: Rabbit, Source: ECHA)

11.1.5 Respiratory or skin sensitisation**Assessment:**

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

Data on substances:**C7 - C9 Isoalkanes:**

Exposure routes	Result
Skin contact	Does not cause skin sensitisation. (Species: Guinea pig, Test system: Maximisation Test, Test substance: read-across substance, Source: ECHA)

11.1.6 Germ cell mutagenicity**Assessment:**

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

11.1.7 Carcinogenicity**Assessment:**

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

11.1.8 Reproductive toxicity**Assessment:**

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

11.1.9 Specific target organ toxicity - single exposure**Assessment:**

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

Data on substances:**C7 - C9 Isoalkanes:**

Vapours may be narcotising.

11.1.10 Specific target organ toxicity - repeated exposure**Assessment:**

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

SAFETY DATA SHEET

Material: 60096739

WACKER® PRIMER G 790 TOLUENE FREE

Version 1.5 (US)

Print Date 11/20/2023

Date of last alteration: 05/24/2023

11.1.11 Aspiration hazard**Assessment:**

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

Data on substances:**C7 - C9 Isoalkanes:**

Product can pose an aspiration hazard.

11.1.12 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.

11.1.13 Further toxicological information

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Other information: According to documentation n-butanol (71-36-3) is irritating to mucous membranes, slightly irritating to skin, degreases skin, has narcotic effects.

12. Ecological information**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:**

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

12.4 Mobility in soil**Assessment:**

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

12.5 Results of PBT and vPvB assessment

No data available.

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

13. Disposal considerations

SAFETY DATA SHEET

Material: 60096739

WACKER® PRIMER G 790 TOLUENE FREE

Version 1.5 (US)

Print Date 11/20/2023

Date of last alteration: 05/24/2023

SARA 311/312 Hazard Class:

Aspiration hazard. Skin corrosion or irritation. Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure). Flammable (gases, aerosols, liquids, or solids)

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):

CAS-No.	Chemical	Upper limit wt. %
110-54-3	n-Hexane	<=0.0001

This material does not contain any hazardous air pollutants.

15.2 US State Regulations**US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

This material does not contain any chemicals known to the State of California to cause cancer.

This material does not contain any chemicals known to the State of California to cause reproductive effects.

Massachusetts Substance List:

78-10-4 Ethyl silicate

Pennsylvania Right-to-Know Hazardous Substance List:

78-10-4 Ethyl silicate

15.3 Details of international registration status

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

Japan	: ENCS (Handbook of Existing and New Chemical Substances): This product is listed in, or complies with, the substance inventory.
Australia	: AIIC (Australian Inventory of Industrial Chemicals): 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 are 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"): Please approach your regular contact for more detailed information.

16. Other information**16.1 Additional information:**

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability

SAFETY DATA SHEET

Material: 60096739

WACKER® PRIMER G 790 TOLUENE FREE

Version 1.5 (US)

Print Date 11/20/2023

Date of last alteration: 05/24/2023

or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Vertical lines in the left-hand margin indicate changes compared with the previous version.

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 Glossary of Terms:

ACGIH - American Conference of Governmental Industrial Hygienists
 DOT - Department of Transportation
 hPa - Hectopascals
 mPa*s - Milli Pascal-Seconds
 OSHA - Occupational Safety and Health Administration
 PEL - Permissible Exposure Limit

ppm - Parts per Million
 SARA - Superfund Amendments and Reauthorization Act
 STEL - Short Term Exposure Limit
 TSCA - Toxic Substances Control Act
 TWA - Time Weighted Average

Flash point determination methods	Common name
ASTM D56.....	Tagliabue (Tag) closed cup
ASTM D92, DIN 51376, ISO 2592	Cleveland open cup
ASTM D93, DIN 51758, ISO 2719	Pensky-Martens closed cup
ASTM D3278, DIN 55680, ISO 3679	Setaflash or Rapid closed cup
DIN 51755.....	Abel-Pensky closed cup

16.3 Conversion table:

Pressure:.....: 1 hPa * 0.75 = 1 mm Hg = 1 torr; 1 bar = 1000 hPa
 Viscosity:.....: 1 mPa*s = 1 centipoise (cP)