



**WACKER**

**Safety Data Sheet**

Material: 10001494

PRIMER G 795

\*SAMPLE

Version: 3.0 (US)

Date of print: 06/23/2021

Date of last alteration: 12/10/2019

**1. Product and company identification**

**1.1 Identification of the substance or preparation:**

<b>Commercial product name:</b>	<b>PRIMER G 795</b>	<b>*SAMPLE</b>
Product group:	Primer	
Use of substance / preparation	Industrial. Intermediate chemical	

**1.2 Company/undertaking identification:**

Manufacturer/distributor:	Wacker Chemie AG Hanns-Seidel-Platz 4 81737 München Germany
Customer information:	Wacker Chemical Corporation 3301 Sutton Road Adrian, Michigan 49221-9397 USA InfoLine: Tel (517) 264-8240 Hours of operation: Monday - Friday, 8 am to 5 pm (eastern standard time) Corporate website: www.wacker.com
<b>Emergency telephone no. (24h):</b>	<b>(517) 264-8500</b>
<b>Transportation emergency:</b>	(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):**

Hazard class	Hazard category	Route of exposure
Serious eye damage/eye irritation	Category 1	
Aspiration hazard	Category 1	
Flammable liquids	Category 3	

**2.2 Label elements**

**Labelling (GHS):**

Pictogram(s):



Signal Word: Danger

H-Code	Hazard Statements
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.

P-Code	Precautionary Statements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.

# Safety Data Sheet

Material: 10001494

PRIMER G 795

\*SAMPLE

Version: 3.0 (US)

Date of print: 06/23/2021

Date of last alteration: 12/10/2019

The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 4 %.

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 4 %.

**2.3 Other hazards**

No data available.

### 3. Composition/information on ingredients

**3.1 Chemical characterization (preparation)**

Chemical characteristics

silane and siloxane with functional groups+auxiliary+solvent

**3.2 Information on ingredients:**

Type	CAS No.	Substance	Content [wt. %]		Note
			Lower	Upper	
INHA	64742-48-9	Naphtha (petroleum), hydrotreated heavy	>=50.0	<80.0	
INHA	78-10-4	Ethyl silicate	>=3.0	<5.0	
INHA	5593-70-4	Organotitanium compound	>=3.0	<5.0	
INHA	90622-56-3	C7 - C9 Isoalkanes	>=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 occurs or if breathing becomes difficult.

**4.2 After inhalation**

If inhaled, remove to fresh air, keep the victim laying down and restful. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**4.3 After contact with the skin**

If contact with skin, immediately flush skin with plenty of water or with water and soap. Remove contaminated clothing and shoes immediately.

**4.4 After contact with the eyes**

If contact with eyes, immediately hold eyelids apart and flush with plenty of water.

**4.5 After swallowing**

If swallowed, do not induce vomiting. Danger of aspiration. If swallowed, give victim several glasses of water. Get medical attention immediately.

### 5. Fire-fighting measures

**5.1 Flammable properties:**

Property:	Value:	Method:
Flash point.....	ca. 25 °C (77 °F)	(DIN 51755)
Boiling point / boiling range .....	ca. 183 °C (361 °F) at 1013 hPa	(EU-GL.A.2)
Lower explosion limit (LEL) .....	0.6 %(V)	
Upper explosion limit (UEL).....	9.0 %(V)	
Ignition temperature .....	ca. 240 °C (464 °F)	(DIN 51794)

# Safety Data Sheet

Material: 10001494

PRIMER G 795

\*SAMPLE

Version: 3.0 (US)

Date of print: 06/23/2021

Date of last alteration: 12/10/2019

NFPA Hazard Class (comb./flam.liquid).....: IC

**5.2 Fire and explosion hazards:**

Warning! Flammable liquid and vapor. Consider possible formation of explosive mixtures with air, for example in uncleaned containers. Material decomposes under fire conditions giving off toxic materials. Never use welding or cutting torch on or near any container of this material, even if empty, because an explosion could occur. Electrostatic charging is possible.

**5.3 Recommended extinguishing media:**

carbon dioxide , dry chemical or alcohol-resistant foam .

**5.4 Unsuitable extinguishing media:**

Water.

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

not applicable

**5.6 Fire fighting procedures:**

Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Cool endangered containers with water.

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

Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling mists and vapours.

**HAZWOPER PPE Level:** C

**6.2 Containment:**

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

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**

Take up mechanically and dispose of according to local/state/federal regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations.

**6.4 Further information:**

Eliminate all sources of ignition.

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

Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. Ensure adequate ventilation. Must be syphoned off in situ. Keep away from incompatible substances in accordance with section 10.

**Precautions against fire and explosion:**

Cool endangered containers with water. 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.

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

Observe local/state/federal regulations.

**Advice for storage of incompatible materials:**

Observe local/state/federal regulations.

# Safety Data Sheet

Material: 10001494

PRIMER G 795

\*SAMPLE

Version: 3.0 (US)

Date of print: 06/23/2021

Date of last alteration: 12/10/2019

**Further information for storage:**

Protect against moisture. Keep container tightly closed and store in a cool, well ventilated place. Do not store together with oxidizing agents like peroxides etc.

**8. Exposure controls and personal protection**

**8.1 Engineering controls**

**Ventilation:**

Use only with adequate ventilation.

**Local exhaust:**

recommended

**8.2 Associate substances with specific control parameters such as limit values**

**Maximum airborne concentrations at the workplace:**

CAS No.	Substance	Type	mg/m <sup>3</sup>	ppm	Dust fract.
78-10-4	Tetraethyl silicate	OSHA PEL	850.0	100.0	
64-17-5	Ethanol	OSHA PEL	1,900.0	1,000.0	
71-36-3	1-Butanol	OSHA PEL	300.0	100.0	
78-10-4	Tetraethyl silicate	ACGIH TWA		10.0	
71-36-3	1-Butanol	ACGIH TWA		20.0	

Re Ethanol (CAS no. 64-17-5): STEL is 1000 ppm; carcinogenicity: A3 (ACGIH).

Re 1-Butanol (CAS-no. 71-36-3): ceiling is 50 ppm, skin notation (NIOSH).

**8.3 Personal protection equipment (PPE)**

**Respiratory protection:**

In case of long or strong exposure use a NIOSH approved respirator for: organic vapors . Alternatively use a positive pressure, air-supplied respirator.

**Hand protection:**

rubber gloves

**Eye protection:**

tight fitting chemical safety goggles

**Other protective clothing or equipment:**

protective clothing to cover exposed areas of arms, legs and torso . Recommendation: antistatic protective clothing and shoes .

**8.4 General hygiene and protection measures:**

Do not breathe dust/vapor/mist/gas/aerosol. Avoid contact with eyes and skin. Do not eat, drink or smoke when handling. Wash thoroughly after handling.

**9. Physical and chemical properties**

**9.1 Appearance**

Physical state .....: liquid  
 Colour .....: yellowish  
 Odour .....: of hydrocarbon

**9.2 Safety parameters**

Property:	Value:	Method:
Melting point / melting range .....	not applicable	
Boiling point / boiling range .....	ca. 183 °C (361 °F) at 1013 hPa	(EU-GLA.2)
Flash point.....	ca. 25 °C (77 °F)	(DIN 51755)
Ignition temperature .....	ca. 240 °C (464 °F)	(DIN 51794)
Lower explosion limit (LEL) .....	0.6 %(V)	
Upper explosion limit (UEL).....	9.0 %(V)	
Vapour pressure.....	ca. 42 hPa / 50 °C (122 °F)	
Vapour pressure.....	ca. 26 hPa / 38 °C (100 °F)	
Vapour pressure.....	ca. 12 hPa / 20 °C (68 °F)	
Density .....	ca. 0.79 g/cm <sup>3</sup> at 25 °C (77 °F), at 1013 hPa	(DIN 12791)

# Safety Data Sheet

Material: 10001494

PRIMER G 795

\*SAMPLE

Version: 3.0 (US)

Date of print: 06/23/2021

Date of last alteration: 12/10/2019

Water solubility / miscibility.....: virtually insoluble  
Solubility in organic solvent.....: totally miscible with common organic solvents  
pH-Value .....: not applicable  
Viscosity (dynamic) .....: ca. 2 mPa.s at 23 °C (73 °F) (DIN 51562)

## 9.3 Further information

Explosion limits for released ethanol: 3.5 - 15%(V).

Odour limit.....: 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 , water and alkalis . Reaction causes the formation of: alcohols .

### 10.4 Hazardous decomposition products

If stored and handled properly: none known . Under the effect of humidity: ethanol , n-butanol .

### 10.5 Further information:

Hazardous polymerization cannot occur.

## 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 sensitization

**Assessment:**

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

#### 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.

# Safety Data Sheet

Material: 10001494

PRIMER G 795

\*SAMPLE

Version: 3.0 (US)

Date of print: 06/23/2021

Date of last alteration: 12/10/2019

**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:**

Product can pose an aspiration hazard.

**11.1.11 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 literature aliphatic hydrocarbons are slightly irritating to the skin and mucuous membranes and have a skin drying and narcotic effect. If the lungs are directly affected (e.g. by aspiration), inflammation of the lungs may occur. Hydrolysis product / impurity: Ethanol (64-17-5) is readily absorbed at all exposure routes. Ethanol may cause irritation of eyes and mucosa, trigger dysfunction of the central nervous system and cause nausea as well as dizziness. Chronic exposure to high amounts of ethanol may cause damage to liver and central nervous system. 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:**

No data known.

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

Organic solvent: readily biologically degradable. The hydrolysis product is readily biologically degradable.

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

No data known.

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

Insoluble in water.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Other adverse effects**

none known

# Safety Data Sheet

Material: 10001494

PRIMER G 795

\*SAMPLE

Version: 3.0 (US)

Date of print: 06/23/2021

Date of last alteration: 12/10/2019

## 13. Disposal considerations

### 13.1 RCRA Waste Classification:

D001 (Ignitable)

This classification applies only to the material as it was originally produced.

### 13.2 Product disposal

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.

### 13.3 Packaging disposal

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

## 14. Transport information

### 14.1 US DOT & CANADA TDG SURFACE

Valuation .....: Dangerous Goods  
Proper Shipping Name .....: Flammable liquid, n.o.s.  
Technical name .....: (Contains tetraethyl silicate and tetrabutyl titanate)  
Class .....: 3  
UN no. ....: 1993  
Packaging Group .....: III  
Label .....: \*\*TL:flammable liquid/3  
NAERG Guide .....: 128

### 14.2 Transport by sea IMDG-Code

Valuation .....: Dangerous Goods  
Class .....: 3  
Packaging Group .....: III  
UN no. ....: 1993  
Proper Shipping Name .....: Flammable liquid, n.o.s.  
Technical name .....: (Contains tetraethyl silicate and tetrabutyl titanate)  
Marine Pollutant .....: no

### 14.3 Air transport ICAO-TI/IATA-DGR

Valuation .....: Dangerous Goods  
Class .....: 3  
UN no. ....: 1993  
Proper Shipping Name .....: Flammable liquid, n.o.s.  
Technical name .....: (Contains tetraethyl silicate and tetrabutyl titanate)  
Packaging Group .....: III

## 15. Regulatory information

### 15.1 U.S. Federal regulations

#### TSCA inventory status and TSCA information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

#### TSCA 12(b) Export Notification:

This material does not contain reportable amounts of any TSCA 12(b) listed chemicals.

#### CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

#### SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

**Safety Data Sheet**

Material: 10001494

PRIMER G 795

\*SAMPLE

Version: 3.0 (US)

Date of print: 06/23/2021

Date of last alteration: 12/10/2019

**SARA 311/312 Hazard Class:**

Fire hazard. Immediate (acute) health hazard.

**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	<=0.0059

This material does not contain any hazardous air pollutants.

**15.2 U.S. State regulations****California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):**

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

**New Jersey Right-to-Know Hazardous Substance List:**

78-10-4 Ethyl silicate

**Pennsylvania Right-to-Know Hazardous Substance List:**

78-10-4 Ethyl silicate

11099-06-2 Poly(tetraethoxysilane)

**15.3 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 listed in, or complies with, the substance inventory.
Australia .....	: <b>AICS</b> (Australian Inventory of Chemical Substances): 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 listed in, or complies 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 listed in, or complies with, the substance inventory.
United States of America (USA).....	: <b>TSCA</b> (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 .....	: <b>TCSI</b> (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).....	: <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"): 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.



**Safety Data Sheet**

Material: 10001494

PRIMER G 795

\*SAMPLE

Version: 3.0 (US)

Date of print: 06/23/2021

Date of last alteration: 12/10/2019

**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 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](http://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

WHMIS - Canadian Workplace Hazardous Materials Identification System

**Flash point determination methods**

ASTM D56

ASTM D92, DIN 51376, ISO 2592

ASTM D93, DIN 51758, ISO 2719

ASTM D3278, DIN 55680, ISO 3679

DIN 51755

**Common name**

Tagliabue (Tag) closed cup

Cleveland open cup

Pensky-Martens closed cup

Setaflash or Rapid closed cup

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)

