WACKER

Safety Data Sheet

Material: 10001494 **PRIMER G 795** ***SAMPLE**

Version 3.1 (US) Print Date 02/18/2025 Date of last alteration: 11/09/2022

1. Product and company identification

1.1 Identification of the substance or preparation:

Trade name **PRIMER G 795** ***SAMPLE**
Product group: Primer

Use of the Substance/Mixture: Industrial. Commercial.
Intermediate chemical

1.2 Company/undertaking identification:

Manufacturer/distributor:
Wacker Chemie AG
Gisela-Stein-Straße 1
81671 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

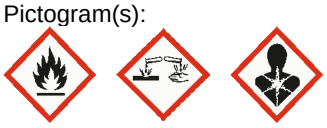
Classification (GHS):

Classification	H-Code
Flammable liquids, Category 3	H226
Aspiration hazard, Category 1	H304
Serious eye damage/eye irritation, Category 1	H318

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.

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.
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	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 If inhaled

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 In case of skin contact

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

4.4 In case of eye contact

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

4.5 If swallowed

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.....:	25 °C (77 °F)	(DIN 51755)

Boiling point/boiling range	:	183 °C (361 °F) at 1013 hPa	(EU-GL.A.2)
Lower explosion limit	:	0.6 %(V)	
Upper explosion limit	:	9.0 %(V)	
Ignition temperature	:	240 °C (464 °F)	(DIN 51794)
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.

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:

Substance	Type	mg/m³	ppm	Dust fract.
Tetraethyl silicate	OSHA PEL	850.0	100.0	
Ethanol	OSHA PEL	1,900.0	1,000.0	
1-Butanol	OSHA PEL	300.0	100.0	
Tetraethyl silicate	ACGIH TWA		10.0	
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 data

Property:	Value:	Method:
Melting point ..... :	exempt	
Boiling point/boiling range ..... :	183 °C (361 °F) at 1013 hPa	(EU-GL.A.2)
Flash point ..... :	25 °C (77 °F)	(DIN 51755)
Ignition temperature ..... :	240 °C (464 °F)	(DIN 51794)
Lower explosion limit ..... :	0.6 %(V)	
Upper explosion limit ..... :	9.0 %(V)	
Vapour pressure ..... :	42 hPa / 50 °C (122 °F)	

Vapour pressure	:	26 hPa / 38 °C (100 °F)	
Vapour pressure	:	12 hPa / 20 °C (68 °F)	
Density	:	0.79 g/cm³ at 25 °C (77 °F), at 1013 hPa	(DIN 12791)
Water solubility	:	practically insoluble	
Solubility in other solvents	:	totally miscible with common organic solvents	
pH	:	Not applicable. Insoluble in water.	
Partition coefficient: n-octanol/water	:	not applicable	
Viscosity, dynamic	:	2 mPa.s at 23 °C (73 °F)	(DIN 51562)
Viscosity, kinematic	:	no data available	

9.3 Further information

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

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 , 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 Acute toxicity

Assessment:

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

Acute toxicity estimate (ATE):
ATE_{mix} (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.

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:

Product can pose an aspiration hazard.

11.1.11 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.

11.1.12 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 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

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)
EmS No.	:	F-E, S-E
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.

SARA 311/312 Hazard Class:
Aspiration hazard. Serious eye damage or eye irritation. 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	<=0.0059

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

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: **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 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)