

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.12.2022

Version 4 (replaces version 3)

Revision: 12.12.2022

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

- **1.1 Product identifier**
- **Trade name: OTTO Cleanprimer 1101**
- **UFI: P5H1-10Q0-A00T-0H5X**
- **Application of the substance / the mixture Priming**
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Hermann Otto GmbH
Krankenhausstraße 14
D-83413 Fridolfing
Tel.: 0049/(0)8684/908-0
Fax.: 0049/(0)8684/908-1840
- **Further information obtainable from:**
Tel.: 0049- (0)8684- 908- 2363 (-4300)
E-Mail: alois.parzinger@otto-chemie.de
- **1.4 Emergency telephone number:**
Tel.: 0049- (0) 89- 192 40 (emergency telephone no.)
+44 1865 407333 (Carechem 24)
Tel.: 0049/621/60-43333 (BASF Plant fire brigade)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms** GHS02, GHS05, GHS07, GHS08, GHS09
- **Signal word** Danger

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.12.2022

Version 4 (replaces version 3)

Revision: 12.12.2022

Trade name: OTTO Cleanprimer 1101

(Contd. of page 1)

- **Hazard-determining components of labelling:**

Isoalkane C7-C9
tetra-n-butoxytitanium

- **Hazard statements**

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

- **Precautionary statements**

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves / eye protection / face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Solvent mixture with additives.

- **Dangerous components:**

CAS: 90622-56-3	Isoalkane C7-C9	50-100%
EINECS: 292-458-5	⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic	
Reg.nr.: 01-2119471305-42	Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 5593-70-4	tetra-n-butoxytitanium	<5%
EINECS: 227-006-8	⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2,	
Reg.nr.: 01-2119967423-33	H315; STOT SE 3, H335-H336	
CAS: 78-10-4	tetraethyl silicate	<2.5%
EINECS: 201-083-8	⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332; Eye Irrit. 2,	
Reg.nr.: 01-2119496195-28	H319; STOT SE 3, H335	

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information**

Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

- **After skin contact**

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.12.2022

Version 4 (replaces version 3)

Revision: 12.12.2022

Trade name: OTTO Cleanprimer 1101

(Contd. of page 2)

- **After eye contact**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing**
Do not induce vomiting; call for medical help immediately. Show container or label.
- **4.2 Most important symptoms and effects, both acute and delayed**
Headache
Dizziness
Dizziness
Nausea
- **4.3 Indication of any immediate medical attention and special treatment needed**
If swallowed or in case of vomiting, danger of entering the lungs

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections** See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
see item 8: Personal protective equipment
- **Information about fire - and explosion protection:**
Protect against electrostatic charges.
Traces of flammable substances may collect in the steam chamber of enclosed systems. Keep clear of ignition sources.
Highly volatile, flammable constituents are released during processing.
Flammable gas-air mixtures may form in empty receptacles.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Provide solvent resistant, sealed floor.
Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**
Store away from oxidising agents.
Store away from foodstuffs.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.12.2022

Version 4 (replaces version 3)

Revision: 12.12.2022

Trade name: OTTO Cleanprimer 1101

(Contd. of page 3)

- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- 78-10-4 tetraethyl silicate**
WEL Long-term value: 44 mg/m³, 5 ppm
- CAS No. Designation of material % Type Value Unit**
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**
- 64-17-5 ethanol**
WEL Long-term value: 1920 mg/m³, 1000 ppm
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Pregnant women should strictly avoid inhalation or skin contact.
- **Respiratory protection:**
Use suitable respiratory protective device when high concentrations are present.
- **Hand protection** Protective gloves.
- **Material of gloves**
Fluorocarbon rubber (Viton)
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Recommended thickness of the material: >0,4 mm
- **Penetration time of glove material** Breakthrough time: 10 - 30 min
- **Eye/face protection** Tightly sealed goggles.
- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** Colourless
- **Odour:** Characteristic
- **Melting point/freezing point:** undetermined
- **Boiling point or initial boiling point and boiling range** 116 °C
- **Flammability** Highly flammable.
- **Lower and upper explosion limit**
- **Lower:** 0.7 Vol %
- **Upper:** 6 Vol %
- **Flash point:** 2 °C
- **Ignition temperature:** >200 °C
- **Decomposition temperature:** Not determined.
- **pH** Not applicable.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.12.2022

Version 4 (replaces version 3)

Revision: 12.12.2022

Trade name: OTTO Cleanprimer 1101

(Contd. of page 4)

- **Viscosity:** Not determined.
- **Solubility**
- **Water:** Not determined.
- **Partition coefficient n-octanol/water (log value)** Not determined.
- **Vapour pressure at 25 °C:** 50 hPa
- **Density and/or relative density**
- **Density:** see technical datasheet
- **Relative density** Not determined.
- **Vapour density** Not applicable.
- **9.2 Other information**
- **Form:** Fluid
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Information with regard to physical hazard classes**
- **Aerosols** Void
- **Flammable liquids** Highly flammable liquid and vapour.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Avoid strong heating.
- **10.3 Possibility of hazardous reactions**
Danger of receptacles bursting because of high vapour pressure when heated
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised
- **10.5 Incompatible materials:** Strong oxidizing agents, alkalis, amines, strong acids
- **10.6 Hazardous decomposition products:** see item 5.2

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**
- **LD/LC50 values relevant for classification:**
- **90622-56-3 Isoalkane C7-C9**
Oral LD50 >5,000 mg/kg (rat)
Dermal LD50 >2,000 mg/kg (rat)
Inhalative LC50/4 h 21 mg/l (rat)
- **5593-70-4 tetra-n-butoxytitanium**
Oral LD50 3,122 mg/kg (rat)
- **78-10-4 tetraethyl silicate**
Oral LD50 6,270 mg/kg (rat)
Dermal LD50 5,860 mg/kg (rab)
Inhalative LC50/4 h 10 mg/l (rat)
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **Aspiration hazard** May be fatal if swallowed and enters airways.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.12.2022

Version 4 (replaces version 3)

Revision: 12.12.2022

Trade name: OTTO Cleanprimer 1101

(Contd. of page 5)

- **11.2 Information on other hazards**
 - **Endocrine disrupting properties**
- None of the ingredients is listed.

SECTION 12: Ecological information

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
- The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
- Do not allow product to reach ground water, water course or sewage system.
- Also poisonous for fish and plankton in water bodies.
- Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Liquid residues must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:**
- Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN1993
- **14.2 UN proper shipping name**
- **ADR** 1993 FLAMMABLE LIQUID, N.O.S. (Isoalkane C7-C9), ENVIRONMENTALLY HAZARDOUS
- **IMDG** FLAMMABLE LIQUID, N.O.S. (Isoalkane C7-C9), MARINE POLLUTANT
- **IATA** FLAMMABLE LIQUID, N.O.S. (Isoalkane C7-C9)
- **14.3 Transport hazard class(es)**
- **ADR**



- **Class** 3 (F1) Flammable liquids.
- **Label** 3



- **IMDG**
- **Class** 3 Flammable liquids.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.12.2022


Version 4 (replaces version 3)

Revision: 12.12.2022

Trade name: OTTO Cleanprimer 1101

(Contd. of page 6)

· Label	3

· IATA	
	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR, IMDG, IATA	II
· 14.5 Environmental hazards:	
· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	3
· EMS Number:	F-E, S-E
· Stowage Category	B
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

· Transport/Additional information:	

· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOALKANE C7-C9), 3, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category
E2 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- National regulations
- Information about limitation of use:
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- Details of international registration status:
Listed on or in accordance with the following inventories:
UK REACH - Europe listed
AICS - Australia listed
DSL - Canada listed
IECSC - China listed

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.12.2022

Version 4 (replaces version 3)

Revision: 12.12.2022

Trade name: OTTO Cleanprimer 1101

(Contd. of page 7)

ENCS - Japan listed
 NZIoC - New Zealand listed
 PICCS - Philippines listed
 ECL - Korea listed
 TSCA - USA listed
 TCSI - Taiwan listed

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

· **Department issuing SDS:** Tel.: 0049- (0)8684- 908- 2363

· **Contact:** Tel.: 0049- (0)8684- 908- 2363 (-4300)

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 2: Flammable liquids – Category 2
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· *** Data compared to the previous version altered.**