# Safety data sheet
## according to 1907/2006/EC, Article 31

Printing date 14.12.2022 Version 4 (replaces version 3) Revision: 14.12.2022

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

· **1.1 Product identifier**

· **Trade name: OTTO Primer 1215**
· **UFI:** 2R10-90K0-A000-2WWT
· **Product category** PC9a Coatings and paints, thinners, paint removers
· **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.: 0049/621/60-43333 (BASF Plant fire brigade)
Tel.: 0049- (0) 89- 192 40 (emergency telephone no.)
+44 1865 407333 (Carechem 24)

## 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

Repr. 2 H361d Suspected of damaging the unborn child.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye 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, GHS07, GHS08
· **Signal word** Danger

· **Hazard-determining components of labelling:**
acetone
toluene
· **Hazard statements**
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.

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H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.

· **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. |

· **Additional information:**
EUH066 Repeated exposure may cause skin dryness or cracking.
Contains zirconium tetrabutanolate. May produce an allergic reaction.
Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Solvent mixture with additives.
· **Dangerous components:**

| | | |
|---|---|---|
| CAS: 67-64-1<br>EINECS: 200-662-2<br>Reg.nr.: 01-2119471330-49-0000 | acetone<br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 | 50-100% |
| CAS: 108-88-3<br>EINECS: 203-625-9<br>Reg.nr.: 01-2119471310-51-xxxx | toluene<br>Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336 | <25% |
| CAS: 78-10-4<br>EINECS: 201-083-8<br>Reg.nr.: 01-2119496195-28 | tetraethyl silicate<br>Flam. Liq. 3, H226; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335 | <2.5% |
| CAS: 1071-76-7<br>EINECS: 213-995-3 | zirconium tetrabutanolate<br>Flam. Liq. 3, H226; Eye Irrit. 2, H319; Skin Sens. 1B, H317 | <1% |

· **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.

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· **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.
· **After eye contact**
Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing**
Rinse out mouth and then drink plenty of water in small amounts (if person is conscious).
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
After exposure, it is recommended that you seek specialist medical advice. Product contains reproductive toxins (may cause harm to the unborn child and /or impairs male or female reproductive function).

## 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).
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 ofignition sources.
Highly volatile, flammable constituents are released during processing.
Flammable gas-air mixtures may form in empty receptacles.

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· **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 foodstuffs.
· **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:**

**67-64-1 acetone**

WEL Short-term value: 3620 mg/m³, 1500 ppm
Long-term value: 1210 mg/m³, 500 ppm

**108-88-3 toluene**

WEL Short-term value: 384 mg/m³, 100 ppm
Long-term value: 191 mg/m³, 50 ppm
Sk

**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:**
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e.type ABEK according to standard EN 14387) is used.
· **Hand protection** Protective gloves.
· **Material of gloves**
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 glove material: Butyl rubber, BR
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.



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## 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** | 56 °C |
| · **Lower and upper explosion limit** | |
| · **Lower:** | 2.3 Vol % |
| · **Upper:** | 13 Vol % |
| · **Flash point:** | -18 °C |
| · **Ignition temperature:** | 540 °C |
| · **Decomposition temperature:** | Not determined. |
| · **pH** | Not applicable. |
| · **Viscosity:** | Not determined. |
| · **Solubility** | |
| · **Water at 20 °C:** | 900 g/l |
| · **Partition coefficient n-octanol/water (log value)** | Not determined. |
| · **Vapour pressure at 20 °C:** | 233 hPa |
| · **Density and/or relative density** | |
| · **Density:** | see technical datasheet |
| · **Vapour density** | Not determined. |

· **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:** Water, acids, alkalis
· **10.6 Hazardous decomposition products:**
Ethanol
see item 5.2



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## 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:**

**67-64-1 acetone**

| | | |
|---|---|---|
| Oral | LD50 | 5,800 mg/kg (rat) |
| Dermal | LD50 | >15,800 mg/kg (rbt) |
| Inhalative | LC50/4 h | 76 mg/l (rat) |

**108-88-3 toluene**

| | | |
|---|---|---|
| Oral | LD50 | 5,580 mg/kg (rat) |
| Dermal | LD50 | 12,400 mg/kg (rab) |
| Inhalative | LC50/4 h | 28 mg/l (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 irritation.
· **Reproductive toxicity** Suspected of damaging the unborn child.
· **STOT-single exposure** May cause drowsiness or dizziness.
· **STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.
· **Aspiration hazard** May be fatal if swallowed and enters airways.
· **Additional toxicological information:**
Oral Acute toxicity estimate (ATE mix) >2,000 mg/kg (ATE)
· **11.2 Information on other hazards**
· **Endocrine disrupting properties**
None of the ingredients is listed.

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## 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**
· **Additional ecological information:**
· **General notes:**
Do not allow product to reach ground water, water course or sewage system.
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.

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*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. (ACETONE, TOLUENE)
· **IMDG, IATA** FLAMMABLE LIQUID, N.O.S. (ACETONE, TOLUENE)
· **14.3 Transport hazard class(es)**
· **ADR**

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

· **IMDG, IATA**

· **Class** 3 Flammable liquids.
· **Label** 3
· **14.4 Packing group**
· **ADR, IMDG, IATA** II
· **14.5 Environmental hazards:**
· **Marine pollutant:** No
· **14.6 Special precautions for user** Warning: Flammable liquids.
· **Hazard identification number (Kemler code):** 33
· **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

· **IMDG**
· **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
· **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONE, TOLUENE), 3, II



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## SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 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:**
TCSI - Taiwan listed
UK REACH - Europe listed
ECL - Korea listed
ENCS - Japan listed
AICS - Australia listed
IECSC - China listed
DSL- Canada listed
PICCS - Philippines listed
TSCA - USA listed
NZIoC - New Zealand not 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.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
EUH066 Repeated exposure may cause skin dryness or cracking.

· **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

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*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 Irrit. 2: Serious eye damage/eye irritation – Category 2*
*Skin Sens. 1B: Skin sensitisation – Category 1B*
*Repr. 2: Reproductive toxicity – Category 2*
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*
*STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2*
*Asp. Tox. 1: Aspiration hazard – Category 1*

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