

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2022

Version 5 (replaces version 4)

Revision: 16.12.2022

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

- **1.1 Product identifier**
- **Trade name: OTTO Primer 1218**
- **UFI: V330-D0MC-600X-ND7U**
- **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- (0) 89- 192 40 (emergency telephone no.)
Tel.: 0049/621/60-43333 (BASF Plant fire brigade)
+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.



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:**
toluene
- **Hazard statements**
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.
H336 May cause drowsiness or dizziness.

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H373 May cause damage to organs through prolonged or repeated exposure.

· **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 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:**

Contains methyl methacrylate, n-butyl methacrylate. May produce an allergic reaction.

· **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: 108-88-3	toluene	50-100%
EINECS: 203-625-9	⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2,	
Reg.nr.: 01-2119471310-51-xxxx	H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 71-36-3	butanol	<5%
EINECS: 200-751-6	⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Acute	
Reg.nr.: 01-2119484630-38	Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	
CAS: 80-62-6	methyl methacrylate	<1%
EINECS: 201-297-1	⚠ Flam. Liq. 2, H225; ⚠ Skin Irrit. 2, H315; Skin Sens.	
Reg.nr.: 01-2119452498-28-0000	1, H317; STOT SE 3, H335	
CAS: 97-88-1	n-butyl methacrylate	<1%
EINECS: 202-615-1	⚠ Flam. Liq. 3, H226; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2,	
Reg.nr.: 01-2119486394-28-0000	H319; Skin Sens. 1, H317; 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.

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- **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
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, sand, extinguishing powder. Do not use water.
- **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 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 foodstuffs.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.

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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:**

- **108-88-3 toluene**

- WEL Short-term value: 384 mg/m³, 100 ppm

- Long-term value: 191 mg/m³, 50 ppm

- Sk

- **71-36-3 butanol**

- WEL Short-term value: 154 mg/m³, 50 ppm

- Sk

- **80-62-6 methyl methacrylate**

- WEL Short-term value: 416 mg/m³, 100 ppm

- Long-term value: 208 mg/m³, 50 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 in case of insufficient ventilation.

- **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**

111 °C

- **Flammability**

Highly flammable.

- **Lower and upper explosion limit**

- **Lower:**

1.2 Vol %

- **Upper:**

7 Vol %

- **Flash point:**

8 °C (DIN 51755)

- **Ignition temperature:**

420 °C (DIN 51794)

- **Decomposition temperature:**

Not determined.

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· pH	Not applicable.
· Viscosity at 20 °C:	100-300 mPa.s
· Solubility	
· Water:	Insoluble
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	29 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:** Water, acids, alkalis (Methanol is formed)
- **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:**
-
- 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) |
- 71-36-3 butanol**
- | | | |
|------------|----------|-------------------|
| Oral | LD50 | 790 mg/kg (rat) |
| Dermal | LD50 | 3,400 mg/kg (rbt) |
| Inhalative | LC50/4 h | 8,000 mg/l (rat) |
- 80-62-6 methyl methacrylate**
- | | | |
|------------|----------|--------------------|
| Oral | LD50 | 7,870 mg/kg (rat) |
| Dermal | LD50 | >5,000 mg/kg (rab) |
| Inhalative | LC50/4 h | 78 mg/l (rat) |

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97-88-1 n-butyl methacrylate

Oral LD50 22,600 mg/kg (rat)

Dermal LD50 11,300 mg/kg (rbt)

Inhalative LC50/4 h 4,910 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.
- **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.

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.
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. (TOLUENE, BUTANOLS)
- **IMDG, IATA** FLAMMABLE LIQUID, N.O.S. (TOLUENE, BUTANOLS)

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· 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 II
 · 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
 · 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.
 (TOLUENE, BUTANOLS), 3, II

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.

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- **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:
 - ENCS - Japan listed
 - TCSI - Taiwan listed
 - UK REACH - Europe listed
 - AICS - Australia listed
 - DSL- Canada listed
 - IECSC - China listed
 - NZIoC - New Zealand not listed
 - PICCS - Philippines listed
 - ECL - Korea listed
 - TSCA - USA 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.
 - H302 Harmful if swallowed.
 - H304 May be fatal if swallowed and enters airways.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - 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.
- **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
 - Skin Sens. 1: Skin sensitisation – Category 1
 - 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.**