

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2015

Revision: 13.01.2015

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

- **1.1 Product identifier**
- **Trade name:** **OTTO Cleanprimer 1226**
- **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)8684/908-539
- **Further information obtainable from:**
Tel.: 0049- (0)8684- 908- 641 (-460)
E-Mail: alois.parzinger@otto-chemie.de
- **1.4 Emergency telephone number:** Tel.: 0049- (0)89- 192 40 (emergency telephone no.)

SECTION 2: Hazards identification

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



GHS02 flame

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



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36: Irritating to eyes.



F; Highly flammable

R11: Highly flammable.

R67: Vapours may cause drowsiness and dizziness.

- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS02, GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**
propan-2-ol
- **Hazard statements**
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

(Contd. on page 2)

GB

Safety data sheet

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Printing date 13.01.2015

Revision: 13.01.2015

Trade name: OTTO Cleanprimer 1226

(Contd. of page 1)

H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P102 Keep out of reach of children.

P271 Use only outdoors or in a well-ventilated area.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313 Get medical advice/attention.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

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

- **Dangerous components:**

CAS: 67-63-0	propan-2-ol	50- 100%
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EINECS: 200-661-7	Xi R36; F R11 R67	
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Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336

CAS: 5593-70-4	titanium tetrabutanolate	< 2.5%
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EINECS: 227-006-8	Xi R38-41 R10	
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Flam. Liq. 3, H226; Eye Dam. 1, H318; Skin Irrit. 2, H315

- **Additional information** For the wording of the listed risk 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.

- **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

Disziness

Disziness

Nausea

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2015

Revision: 13.01.2015

Trade name: OTTO Cleanprimer 1226

(Contd. of page 2)

- **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).
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:**
Keep ignition sources away - Do not smoke.
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.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2015

Revision: 13.01.2015

Trade name: OTTO Cleanprimer 1226

(Contd. of page 3)

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

- **67-63-0 propan-2-ol (50- 100%)**

- WEL Short-term value: 1250 mg/m³, 500 ppm

- Long-term value: 999 mg/m³, 400 ppm

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **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.

- **Protection of hands:** 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.

- Butyl rubber, BR

- Fluorocarbon rubber (Viton)

- Recommended thickness of the material: ≥ 0.4 mm

- **Penetration time of glove material**

- The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye 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**

- **Appearance:**

- **Form:** Fluid

- **Colour:** Colourless

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **Flash point:** 14 °C

- **Ignition temperature:** 425 °C (Propan-2-ol)

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

- **Lower:** 2 Vol % (Proan-2-ol)

- **Upper:** 12 Vol % (Propan-2ol)

- **Density at 20 °C:** 0.8 g/cm³

- **Solubility in / Miscibility with**

- **Water:** Soluble

GB

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2015

Revision: 13.01.2015

Trade name: OTTO Cleanprimer 1226

(Contd. of page 4)

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **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
- **10.6 Hazardous decomposition products:** see item 5.3

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the eye:** Irritating effect possible
- **Additional toxicological information:**
Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

SECTION 12: Ecological information

- **12.3 Bioaccumulative potential** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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**
- **ADR, IMDG, IATA** UN1219
- **14.2 UN proper shipping name**
- **ADR** 1219 ISOPROPANOL (ISOPROPYLALKOHOL)
- **IMDG, IATA** ISOPROPANOL

(Contd. on page 6)

GB

Safety data sheet

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Trade name: OTTO Cleanprimer 1226

(Contd. of page 5)

· **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.
 · **Danger code (Kemler):** 33
 · **EMS Number:** F-E,S-D
 · **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** 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":** UN1219, ISOPROPANOL, 3, II

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **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 1 (Self-assessment): slightly hazardous for water.
- **Details of international registration status:**
Listed on or in accordance with the following inventories:
 EINECS - Europe listed
 AICS - Australia listed
 DSL/NDSL - Canada listed

(Contd. on page 7)

GB

Safety data sheet

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Printing date 13.01.2015

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Trade name: OTTO Cleanprimer 1226

(Contd. of page 6)

IECSC - China listed
 ENCS - Japan listed
 NZIoC - New Zealand listed
 PICCS - Philippines listed
 ECL/KECI - Korea listed
 TSCA - USA listed
 NECI - Taiwan 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.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

R10 Flammable.
 R11 Highly flammable.
 R36 Irritating to eyes.
 R38 Irritating to skin.
 R41 Risk of serious damage to eyes.
 R67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:** Tel.: 0049- (0)8684- 908- 641

· **Contact:** Tel.: 0049- (0)8684- 908- 641 (-460)

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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)
 Flam. Liq. 2: Flammable liquids, Hazard Category 2
 Flam. Liq. 3: Flammable liquids, Hazard Category 3
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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

GB