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

Printing date 31.07.2024 Version number 3 (replaces version 2) Revision: 31.07.2024

· **1.1 Product identifier**

· **Trade name: Omnisept dishcleaner FA**
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture** Cleaning material/ Detergent

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
PRISMAN GmbH
Otto-Hahn-Ring 6-18
64653 Lorsch
www.prisman.de

· **Further information obtainable from:** Alexander.Metz@prisman.de
· **1.4 Emergency telephone number:** Tel + 49 (0) 6251 866 980 0, Mo-Fr 9-17 Uhr

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## SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**
Skin Corr. 1A H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

· **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**

GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:**
disodium silicate pentahydrate
potassium hydroxide
Silicic acid, sodium salt
· **Hazard statements**
H314 Causes severe skin burns and eye damage.
· **Precautionary statements**
P280 Wear protective gloves / eye protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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.
P310 Immediately call a POISON CENTER/doctor.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.



(Contd. on page 2)

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## according to 1907/2006/EC, Article 31

Printing date 31.07.2024 Version number 3 (replaces version 2) Revision: 31.07.2024

**Trade name: Omnisept dishcleaner FA**

(Contd. of page 1)

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## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

| · **Dangerous components:** | | |
|---|---|---|
| CAS: 10213-79-3 | disodium silicate pentahydrate<br>Skin Corr. 1B, H314<br>STOT SE 3, H335 | 10-25% |
| CAS: 1310-58-3<br>EINECS: 215-181-3<br>Index number: 019-002-00-8<br>RTECS: TT 2102000<br>Reg.nr.: 01-2119487136-33-xxxx | potassium hydroxide<br>Skin Corr. 1A, H314<br>Acute Tox. 4, H302<br>Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 %<br>Skin Corr. 1B; H314: 2 % ≤ C < 5 %<br>Skin Irrit. 2; H315: 0.5 % ≤ C < 2 %<br>Eye Irrit. 2; H319: 0.5 % ≤ C < 2 % | 2.5-10% |
| CAS: 1344-09-8<br>EINECS: 215-687-4 | Silicic acid, sodium salt<br>Eye Dam. 1, H318<br>Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335 | 5-15% |
| CAS: 139-33-3<br>EINECS: 205-358-3<br>Reg.nr.: 01-2119486775-20 | disodium dihydrogenethylenediaminetetraacetate<br>STOT RE 2, H373<br>Acute Tox. 4, H332 | ≤2.5% |

· **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.
· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:**
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:**
Drink plenty of water and provide fresh air. Call for a doctor immediately.
Do not induce vomiting; call for medical help immediately.
· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
· **5.3 Advice for firefighters**
· **Protective equipment:** No special measures required.



(Contd. on page 3)

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

*Printing date 31.07.2024* *Version number 3 (replaces version 2)* *Revision: 31.07.2024*

***Trade name: Omnisept dishcleaner FA***

(Contd. of page 2)

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:**
Dilute with plenty of water.
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 section 13.
Ensure adequate ventilation.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep container tightly sealed.
· **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:** | |
|---|---|
| **1310-58-3 potassium hydroxide** | |
| WEL | Short-term value: 2 mg/m³ |

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

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see section 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
· **Respiratory protection:** Not required.

(Contd. on page 4)

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

*Printing date 31.07.2024* *Version number 3 (replaces version 2)* *Revision: 31.07.2024*

***Trade name: Omnisept dishcleaner FA***

(Contd. of page 3)

· ***Hand protection***

*Protective gloves*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*
*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

· ***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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

· ***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.*

· ***For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:***
*Butyl rubber, BR*
*Rubber gloves*

· ***For the permanent contact gloves made of the following materials are suitable:***
*Polychloroprene - CR (0.5 mm): Breakthrough time > 4 h*
*Nitrile rubber/nitrile latex - NBR (0.35 mm): Breakthrough time > 4h*
*Butyl rubber - Butyl (0.5 mm): Breakthrough time > 8 h*
*Fluororubber - FKM (0.4 mm): Breakthrough time > 8 h*
*Polyvinyl chloride - PVC (0.5 mm): Breakthrough time > 4 h*
*This recommendation is based exclusively on the chemical compatibility and the test according to EN 374 under laboratory conditions.*
*Depending on the application, different requirements may arise. Therefore the*
*Therefore, the recommendations of the protective glove supplier must also be taken into account.*

· ***As protection from splashes gloves made of the following materials are suitable:***
*Butyl rubber, BR*
*Nitrile rubber, NBR*

· ***Eye/face protection***

*Tightly sealed goggles*

* 

## *SECTION 9: Physical and chemical properties*

| | |
|---|---|
| · ***9.1 Information on basic physical and chemical properties*** | |
| · ***General Information*** | |
| · ***Physical state*** | *Fluid* |
| · ***Colour:*** | *According to product specification* |
| · ***Odour:*** | *Characteristic* |
| · ***Odour threshold:*** | *Not determined.* |
| · ***Melting point/freezing point:*** | *Undetermined.* |
| · ***Boiling point or initial boiling point and boiling range*** | *100 °C* |
| · ***Flammability*** | *Not applicable.* |
| · ***Lower and upper explosion limit*** | |
| · ***Lower:*** | *Not determined.* |
| · ***Upper:*** | *Not determined.* |

(Contd. on page 5)

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

Printing date 31.07.2024 Version number 3 (replaces version 2) Revision: 31.07.2024

**Trade name: Omnisept dishcleaner FA**

(Contd. of page 4)

| | |
|---|---|
| · **Flash point:** | Not applicable. |
| · **Decomposition temperature:** | Not determined. |
| · **pH at 20 °C** | 14 |
| · **Viscosity:** | |
| · **Kinematic viscosity** | Not determined. |
| · **Dynamic:** | Not determined. |
| · **Solubility** | |
| · **water:** | Fully miscible. |
| · **Partition coefficient n-octanol/water (log value)** | Not determined. |
| · **Vapour pressure at 20 °C:** | 23 hPa |
| · **Density and/or relative density** | |
| · **Density at 20 °C:** | 1.25 g/cm³ |
| · **Relative density** | Not determined. |
| · **Vapour density** | Not determined. |

| | |
|---|---|
| · **9.2 Other information** | |
| · **Appearance:** | |
| · **Form:** | Fluid |
| · **Important information on protection of health and environment, and on safety.** | |
| · **Ignition temperature:** | Product is not selfigniting. |
| · **Explosive properties:** | Product does not present an explosion hazard. |
| · **Solvent content:** | |
| · **Solids content:** | > 20 % |
| · **Change in condition** | |
| · **Evaporation rate** | Not determined. |

| | |
|---|---|
| · **Information with regard to physical hazard classes** | |
| · **Explosives** | Void |
| | Void |
| · **Flammable gases** | Void |
| | Void |
| · **Aerosols** | Void |
| | Void |
| · **Oxidising gases** | Void |
| | Void |
| · **Gases under pressure** | Void |
| | Void |
| · **Flammable liquids** | Void |
| | Void |
| · **Flammable solids** | Void |
| | Void |
| · **Self-reactive substances and mixtures** | Void |
| | Void |
| · **Pyrophoric liquids** | Void |
| | Void |
| · **Pyrophoric solids** | Void |
| | Void |
| · **Self-heating substances and mixtures** | Void |
| | Void |
| · **Substances and mixtures, which emit flammable gases in contact with water** | Void |
| | Void |

(Contd. on page 6)

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

*Printing date 31.07.2024* *Version number 3 (replaces version 2)* *Revision: 31.07.2024*

**Trade name: Omnisept dishcleaner FA**

(Contd. of page 5)

| | |
|---|---|
| · **Oxidising liquids** | Void |
| | Void |
| · **Oxidising solids** | Void |
| | Void |
| · **Organic peroxides** | Void |
| | Void |
| · **Corrosive to metals** | Void |
| | Void |
| · **Desensitised explosives** | Void |
| | Void |

## 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.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

* 
## SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

| · **LD/LC50 values relevant for classification:** | | |
|---|---|---|
| **ATE (Acute Toxicity Estimates)** | | |
| Oral | LD50 | 2,461 mg/kg |
| Inhalative | LC50/4 h | 75 mg/l |

| **1310-58-3 potassium hydroxide** | | |
|---|---|---|
| Oral | LD50 | 500 mg/kg (ATE) |
| **139-33-3 disodium dihydrogenethylenediaminetetraacetate** | | |
| Inhalative | LC50/4 h | 1.5 mg/l (ATE) |
| **1344-09-8 Silicic acid, sodium salt** | | |
| Oral | LD50 | 500 mg/kg (ATE) |

· **Skin corrosion/irritation** Causes severe skin burns and eye damage.
· **Serious eye damage/irritation** Causes serious eye damage.
· **11.2 Information on other hazards**

| · **Endocrine disrupting properties** |
|---|
| None of the ingredients is listed. |



(Contd. on page 7)

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## according to 1907/2006/EC, Article 31

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**Trade name: Omnisept dishcleaner FA**

(Contd. of page 6)

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## SECTION 12: Ecological information

· **12.1 Toxicity**

| · **Aquatic toxicity:** | |
|---|---|
| **1310-58-3 potassium hydroxide** | |
| EC50 | 40.4 mg/l (W) |
| LC50/96h | 80 mg/l (fish) |
| **139-33-3 disodium dihydrogenethylenediaminetetraacetate** | |
| EC50 | 500 mg/l (Bel)<br>140 mg/l (daphnia) |
| LC50/96h | >100 mg/l (fish) |

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **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 undiluted product or large quantities of it to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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## SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

* 
## SECTION 14: Transport information

| · **14.1 UN number or ID number** | |
|---|---|
| · **ADR, IMDG, IATA** | UN1719 |
| · **14.2 UN proper shipping name** | |
| · **ADR** | 1719 CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE, Silicic acid, sodium salt) |
| · **IMDG, IATA** | CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE, Silicic acid, sodium salt) |

(Contd. on page 8)

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**Trade name: Omnisept dishcleaner FA**

(Contd. of page 7)

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**

| | |
|---|---|
| · **Class** | 8 Corrosive substances. |
| · **Label** | 8 |
| · **14.4 Packing group** | |
| · **ADR, IMDG, IATA** | II |
| · **14.5 Environmental hazards:** | |
| · **Marine pollutant:** | No |
| · **14.6 Special precautions for user** | Warning: Corrosive substances. |
| · **Hazard identification number (Kemler code):** | 8 |
| · **EMS Number:** | F-A,S-B |
| · **14.7 Maritime transport in bulk according to IMO instruments** | Not applicable. |
| · **Transport/Additional information:** | |
| · **ADR** | |
| · **Excepted quantities (EQ)** | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · **IMDG** | |
| · **Limited quantities (LQ)** | 1L |
| · **Excepted quantities (EQ)** | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |

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## SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Labelling according to Regulation (EC) No 1272/2008**
GHS label elements
The product is classified and labelled according to the GB CLP regulation.
· **Hazard pictograms**

GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:**
disodium silicate pentahydrate
potassium hydroxide
Silicic acid, sodium salt

(Contd. on page 9)

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

*Printing date 31.07.2024* *Version number 3 (replaces version 2)* *Revision: 31.07.2024*

***Trade name: Omnisept dishcleaner FA***

(Contd. of page 8)

· ***Hazard statements***
*H314 Causes severe skin burns and eye damage.*
· ***Precautionary statements***
*P280 Wear protective gloves / eye protection.*
*P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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.*
*P310 Immediately call a POISON CENTER/doctor.*
*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

· ***Directive 2012/18/EU***
· ***Named dangerous substances - ANNEX I*** *None of the ingredients is listed.*
· ***15.2 Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

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## *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***
*H302 Harmful if swallowed.*
*H314 Causes severe skin burns and eye damage.*
*H315 Causes skin irritation.*
*H318 Causes serious eye damage.*
*H332 Harmful if inhaled.*
*H335 May cause respiratory irritation.*
*H373 May cause damage to organs through prolonged or repeated exposure.*

· ***Department issuing SDS:*** *Abteilung Produktsicherheit*
· ***Contact:*** *Hr. Dr. Metz*
· ***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*
*Acute Tox. 4: Acute toxicity – Category 4*
*Skin Corr. 1A: Skin corrosion/irritation – Category 1A*
*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*
*STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2*
· **** Data compared to the previous version altered.***