



Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date 14.06.2017

Revision: 14.06.2017

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

- **Version number:** 1.0/EN
- **Creation date:** 14.06.2017
- **1.1 Product identifier**
- **Trade name:** OEG Universal-Kessel-Reiniger
- **Type of packaging:** 5,0 l PE-Can
- **Registration number** This Product is a mixture. REACH Registration Number see chapter 3.
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Cleaner for heating boilers. Intended for the general public.
- **1.2.1 Application of the substance / the mixture** Special-Cleaner
- **1.2.2 Uses advised against** No relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
OEG Oel- und Gasfeuerungsbedarf Handelsgesellschaft m.b.H
Industriestr. 1
31840 Hessisch Oldendorf
GERMANY

- **phone:** +49 (0)5152 / 699 - 0
fax: +49 (0)5152 / 699 - 2000
e-mail: info(at)oeg.net

- **https://www.oeg.net/en/**
- **Informing department:**
Department for product safety
e-mail: info(at)oeg.net
- **1.4 Emergency telephone number:**
- **Telephone number of the company in case of emergencies:**
OEG Oel- und Gasfeuerungsbedarf Handelsgesellschaft m.b.H.
phone: +49 (0)5152 / 699 - 0

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**



Keep away from children.

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

GB

(Contd. on page 2)



Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date 14.06.2017

Revision: 14.06.2017

Trade name: OEG Universal-Kessel-Reiniger

(Contd. of page 1)

SECTION 3: Composition/information on ingredients**· 3.2 Mixtures****· Dangerous components:**

CAS: 10101-89-0 EINECS: 231-509-8 Reg.nr.: 01-2119489800-32-XXXX	Trisodium phosphate dodecahydrate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-<2.5%
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· SVHC

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of ≥ 0.1 % (w/w).

· Regulation (EC) No 648/2004 on detergents / Labelling for contents

phosphates, non-ionic surfactants, phosphonates, anionic surfactants	<5%
preservation agents (2-BROMO-2-NITROPROPANE-1,3-DIOL)	

· 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**

*Instantly remove any clothing soiled by the product.
Show safety data sheet if possible.*

· After inhalation

*Supply fresh air.
Seek medical treatment in case of complaints.*

· After skin contact

*Instantly rinse with water.
If skin irritation continues, consult a doctor.*

· After eye contact

*Rinse opened eye for several minutes under running water.
If eye irritation persists: Get medical advice/attention.*

· After swallowing

*Do not induce vomiting; instantly call for medical help.
Rinse mouth immediately and drink plenty of water (only if the person is conscious).*

· 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

Treat symptomatically and directed to relieving any effects.

SECTION 5: Firefighting measures**· 5.1 Extinguishing media****· Suitable extinguishing agents**

*Co-ordinate fire-fighting measures to the fire surroundings.
The product is not flammable.*

· For safety reasons unsuitable extinguishing agents

For this mixture no limitations of extinguishing agents are given.

· 5.2 Special hazards arising from the substance or mixture

*Can be released in case of fire:
Carbon monoxide (CO) and Carbon dioxide (CO₂)*

· 5.3 Advice for firefighters

· Protective equipment: *Do not inhale explosion gases or combustion gases.*

(Contd. on page 3)



Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date 14.06.2017

Revision: 14.06.2017

Trade name: OEG Universal-Kessel-Reiniger

(Contd. of page 2)

- **Additional information**
Cool endangered containers with water spray jet.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation of the area.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not allow product to reach sewage system or water bodies.
Inform authorities if large amounts are released.
- **6.3 Methods and material for containment and cleaning up:**
Wipe up with absorbent material (eg. cloth, fleece, sand, diatomite, acid binders, universal binders).
Collect in closed and suitable containers for disposal.
Dispose of the material collected according to regulations.
- **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 information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Observe label precautions.
Do not breathe dusts or mists.
- **Information about protection against explosions and fires:** The product is not flammable.
- **General protective and hygienic measures**
Do not eat or drink while working.
Keep away from foodstuffs, beverages and food.
When handling with chemical substances, the usual precautionary measures should be adhered.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and containers:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.
 - **Recommended storage temperature:** +5 °C up to +40 °C
 - **Storage class** Classes 10-13: Other liquids and solids.
- **7.3 Specific end use(s)** See Section 1.2.1

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
 - **8.1.1 Components with critical values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - **8.1.2 DNELs** No data available.
- **General population**
- **Acute – local effects** No data available.

(Contd. on page 4)



Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date 14.06.2017

Revision: 14.06.2017

Trade name: OEG Universal-Kessel-Reiniger

(Contd. of page 3)

- **8.1.3 PNECs** *No data available.*
- **8.1.4 Ingredients with biological limit values:** *No data available.*
- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **8.2 Exposure controls**
- **8.2.1 Engineering Controls:**
Technical measures and the application of suitable work processes have priority over personal protection equipment. See section 7.1.
- **8.2.2 Personal protective equipment**
For special purposes, it is recommended to check the resistance to chemicals of the protective clothing/gloves mentioned below together with the supplier of the PPE.
- **General protective and hygienic measures**
*When handling with chemical substances, the usual precautionary measures should be adhered.
Keep away from foodstuffs, beverages and food.
Remove contaminated, saturated clothing immediately.
Wash hands before breaks and after work.
Do not eat or drink while working.
Avoid close or long term contact with the skin.*
- **Breathing equipment:** *Not required.*
- **Protection of hands:**
Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- **Material of gloves**
*Natural rubber, NR
Recommended thickness of the material: ≥ 0.4 mm
For example Ultranitрил 492 (Mapa GmbH) et al.*
- **Penetration time of glove material**
*>480 min
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **As protection from splashes gloves made of the following materials are suitable:**
*Natural rubber, NR
Recommended thickness of the material: ≥ 0.2 mm*
- **Eye protection:** *Tightly sealed safety glasses according to EN166.*
- **8.2.3 Limitation and supervision of exposure into the environment** *See sections 6 and 7.*

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**

- **9.1.1 Appearance:**

Form:	Fluid
Colour:	Blue
Smell:	Characteristic

- **9.1.2 Safety relevant basic data:**

pH-value at 20 °C:	$10.5 < \text{pH} \leq 11.4$
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- **Change in condition**

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	100 °C

(Contd. on page 5)

GB



Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date 14.06.2017

Revision: 14.06.2017

Trade name: OEG Universal-Kessel-Reiniger

(Contd. of page 4)

· Flash point:	<i>Not safety relevant.</i>
· Ignition temperature:	<i>Not relevant.</i>
· Decomposition temperature:	<i>Not determined.</i>
· Self-inflammability:	<i>Product is not selfigniting.</i>
· Explosive properties:	<i>Product is not explosive.</i>
· Critical values for explosion: Lower:	<i>Not applicable.</i>
Upper:	<i>Not applicable.</i>
· Oxidising properties	<i>Not oxidizing.</i>
· Density at 20 °C	<i>1035 kg/m³ (ISO 387)</i>
· Relative density at 20 °C	<i>1.035</i>
· Vapour density	<i>Not determined.</i>
· Evaporation rate	<i>Not determined.</i>
· Solubility in / Miscibility with Water:	<i>Fully miscible</i>
· Partition coefficient: n-octanol/water:	<i>Not applicable.</i>
· Viscosity: dynamic:	<i>Not determined.</i>
kinematic:	<i>Not determined.</i>
VOC (EU)	<i>0.00 %</i>
· 9.1.3 Physical properties · Corrosiveness to metals Conclusion/Classification	<i>Based on available data, the classification criteria are not met.</i>
· 9.2 Other information	<i>No further relevant information available.</i>

SECTION 10: Stability and reactivity

- **10.1 Reactivity** *See section 10.3.*
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No hazardous reaction when handled according to provisions.
- **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 toxicological effects**
- **Acute toxicity** *Test data are not available for the complete mixture.*

LD/LC50 values that are relevant for classification:

Oral	ATE mix	>5000 mg/kg (calculation method)
Dermal	ATE mix	>5000 mg/kg (calculation method)

(Contd. on page 6)



Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date 14.06.2017

Revision: 14.06.2017

Trade name: OEG Universal-Kessel-Reiniger

(Contd. of page 5)

CAS: 10101-89-0 Trisodium phosphate dodecahydrate

Oral	LD50	>2000 mg/kg (rat) (OECD420 Acute Oral toxicity – Fixe Dose Procedure)
IUCLID		

· **Conclusion/Classification**

The classification was carried out according to the calculation method of the CLP regulation (EC) 1272/2008. Based on available data, the classification criteria are not met.

· **skin corrosion/irritation**· **Information on ingredients:****CAS: 10101-89-0 Trisodium phosphate dodecahydrate**

Effect	Irritating to skin (Category 2)	(Source: Supplier safety data sheet)
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· **Conclusion/Classification** Based on available data, the classification criteria are not met.· **serious eye damage/irritation**· **Information on ingredients:****CAS: 10101-89-0 Trisodium phosphate dodecahydrate**

Effect	Irritating to eyes (Category 2)
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· **Conclusion/Classification** Based on available data, the classification criteria are not met.· **respiratory or skin sensitisation**· **Information on ingredients:****CAS: 10101-89-0 Trisodium phosphate dodecahydrate**

Effect	Not sensitizing	(mousse) (OECD429 Skin Sensitisation: Local)
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· **Conclusion/Classification** Based on available data, the classification criteria are not met.· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.· **Carcinogenicity** Based on available data, the classification criteria are not met.· **Reproductive toxicity** Based on available data, the classification criteria are not met.· **STOT-single exposure** Based on available data, the classification criteria are not met.· **STOT-repeated exposure** Based on available data, the classification criteria are not met.· **Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information**· **12.1 Toxicity**· **Aquatic toxicity:**· **Information on ingredients:****CAS: 10101-89-0 Trisodium phosphate dodecahydrate**

EC50/72 h	>100 mg/l (Desmodesmus subspicatus (algae)) (OECD201 Algae Growth Inhibition Test)
IUCLID	

LC50/96 h	>100 mg/l (rainbow trout (Oncorhynchus mykiss)) (OECD203 Fish Acute Toxicity Test)
IUCLID	

· **Conclusion/Classification**

The classification was carried out according to the calculation method of the CLP regulation (EC) 1272/2008. Based on available data, the classification criteria are not met.

· **12.2 Persistence and degradability****CAS: 10101-89-0 Trisodium phosphate dodecahydrate**

Biodegradability	(non applicable)
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The methods for determining biodegradability are not applicable to inorganic substances.

(Contd. on page 7)



Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date 14.06.2017

Revision: 14.06.2017

Trade name: OEG Universal-Kessel-Reiniger

(Contd. of page 6)

· Conclusion/Summary*The product is easily biodegradable.**The statement is derived from the properties of the single components.***· 12.3 Bioaccumulative potential** *No further relevant information available.***· 12.4 Mobility in soil** *No further relevant information available.***· Additional ecological information:****· General notes:***The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.**Water hazard class 1 (Self-assessment): slightly hazardous for water.***· 12.5 Results of PBT and vPvB assessment****· PBT:** *Not applicable.***· vPvB:** *Not applicable.***· 12.6 Other adverse effects** *No further relevant information available.***SECTION 13: Disposal considerations****· 13.1 Waste treatment methods** *Directives 2006/12/EC and 2008/98/EC***· 13.1.1 Appropriate disposal / Product****Recommendation:***Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements.**Smaller quantities can be disposed with household garbage.**Dispose of in accordance with local and national regulations.***· List of proposed waste codes/waste designations in accordance with EWC:**

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 29*	detergents containing hazardous substances
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of or contaminated by hazardous substances

· 13.1.2 Appropriate disposal / Package:**· Recommendation:***Packaging can be reused or recycled after cleaning.**Dispose of packaging according to regulations on the disposal of packagings.***SECTION 14: Transport information****· UN-Number****· ADR/RID/ADN, ADN, IMDG, IATA** *Void***· 14.2 UN proper shipping name****· ADR/RID/ADN, ADN, IMDG, IATA** *Void*

(Contd. on page 8)



Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date 14.06.2017

Revision: 14.06.2017

Trade name: OEG Universal-Kessel-Reiniger

(Contd. of page 7)

· 14.3 Transport hazard class(es)	
· ADR/RID/ADN, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR/RID/ADN, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **European Regulations and Directives:**
 - Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
 - Regulation (EC) No. 1272/2008 (CLP, EU GHS)
 - Detergent Regulation: Regulation (EC) No 648/2004
 - Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
 - Occupational exposure limits: Directives 2000/39/EC, 2006/15/EC and 2009/161/EU
 - Personal protective equipment: Directive 89/686/EEC
 - Protection of young people at work: Directive 94/33/EC
 - Waste: Directives 2006/12/EC and 2008/98/EC
- **Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products:**
 - This product does not fall within the scope of the Biocidal Products Regulation (BPR).
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- **16.1 Indication of changes:** The safety data sheet were checked/revised.
- **16.2 Relevant R-, H- and EUH-phrases (number and full text):**
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
- **16.4 Sources of key data used to compile the data sheet:**
 - Data arise from reference works and literature.
 - Raw material SDS
 - Hazardous materials information system GisChem (www.gischem.de)
 - Classification & labelling inventory of ECHA (http://echa.europa.eu/clp/c_1_inventory_en.asp)
 - eChemPortal (http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en)
 - TOXNET (<http://toxnet.nlm.nih.gov/index.html>)
 - International Chemical Safety Cards (ICSC) (<http://www.ilo.org/dyn/icsc/showcard.home>)
 - GESTIS database (www.dguv.de/bgia/de/gestis/stoffdb/index.jsp)
 - Registered substances by ECHA (<http://echa.europa.eu/en/information-on-chemicals/registered-substances>)

(Contd. on page 9)



Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date 14.06.2017

Revision: 14.06.2017

Trade name: OEG Universal-Kessel-Reiniger

(Contd. of page 8)

· 16.5 Additional Information:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

· **Classification for mixtures and used evaluation method according to regulation (EC)1207/2008 [CLP]:**
Not applicable.

· **Department issuing data specification sheet:** Product Safety Department

· 16.6 Any Abbreviations and acronyms used in this document:

ATE Acute Toxicity Estimate
ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN European Committee for Standardisation
C&L Classification and Labelling
CLP Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS Chemical Abstracts Service number
COM European Commission
CMR Carcinogen, Mutagen, or Reproductive Toxicant
CSA Chemical Safety Assessment
CSR Chemical Safety Report
DNEL Derived No Effect Level
DPD Dangerous Preparations Directive 1999/45/EC
DSD Dangerous Substances Directive 67/548/EEC
DU Downstream User
DUCC Downstream Users of Chemicals Co-ordination platform
EEA European Economic Area (EU + Iceland, Liechtenstein and Norway)
ECB European Chemicals Bureau
ECHA European Chemicals Agency
EC-Number EINECS and ELINCS Number (see also EINECS and ELINCS)
EINECS European Inventory of Existing Commercial Substances
ELINCS European List of notified Chemical Substances
EN European Standard
ext-SDS Extended Safety Data Sheet (SDS with ES attached)
EU European Union
Euphrac European Phrase Catalogue
EWC European Waste Catalogue (replaced by LoW – see below)
GES Generic Exposure Scenario
GHS Globally Harmonized System
HH Human Health
IATA International Air Transport Association
ICAO-TI Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG International Maritime Dangerous Goods
IMSBC International Maritime Solid Bulk Cargoes
IT Information Technology
IUCLID International Uniform Chemical Information Database
IUPAC International Union for Pure Applied Chemistry
JRC Joint Research Centre
Kow octanol-water partition coefficient
LC50 Lethal Concentration to 50 % of a test population
LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)
LoW List of Wastes (see ec.europa.eu/environment/waste/framework/list.htm)
MS Member States
MSDS Material Safety Data Sheet
OC Operational Conditions

(Contd. on page 10)



Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date 14.06.2017

Revision: 14.06.2017

Trade name: OEG Universal-Kessel-Reiniger

(Contd. of page 9)

OECD Organization for Economic Co-operation and Development
OECD-WPMNM OECD Working Party on Manufactured Nanomaterials
OEL Occupational Exposure Limit
OH Occupational Health
OSHA European Agency for Safety and Health at work
PBT Persistent, Bioaccumulative and Toxic substance
PEC Predicted Effect Concentration
PNEC(s) Predicted No Effect Concentration(s)
PPE Personal Protection Equipment
(Q)SAR Qualitative Structure Activity Relationship
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No1907/2006
RID Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP REACH Implementation Project
RMM Risk Management Measure
SC Supply Chain
SCBA Self-Contained Breathing Apparatus
SDS Safety Data Sheet
STOT Specific Target Organ Toxicity
(STOT) RE Repeated Exposure
(STOT) SE Single Exposure
SVHC Substances of Very High Concern
UN United Nations
VCI Verband der Chemischen Industrie
vPvB Very Persistent and Very Bioaccumulative
VbF: Ordinance on the storage of combustible liquids, Austria (Verordnung über brennbare Flüssigkeiten, Österreich)
VOC: Volatile Organic Compounds (USA, EU)

GB