

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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

1.1. Product identifier

Trade name/designation:

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Article No.:

353

UFI:

48NS-GTDK-DFDY-EV4H

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture:

Sanitärreiniger

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Otto Oehme GmbH

FEA

Industriestr. 20

90584 Allersberg

Germany

Telephone: 09176/98050

Telefax: 09176/980555

E-mail: Info@Oehme-Lorito.de

Website: www.Oehme-Lorito.de

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Corrosive to metals (<i>Met. Corr. 1</i>)	H290: May be corrosive to metals.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS05

Corrosion

Signal word: Danger

Hazard components for labelling:

Phosphorsäure; Isotridecanol, ethoxylated; Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.

Hazard statements for physical hazards

H290 May be corrosive to metals.

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hazard statements for health hazards

H315	Causes skin irritation.
H318	Causes serious eye damage.

Supplemental hazard information: -

Precautionary statements Prevention

P264	Wash Hände thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....

Precautionary statements Response

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/....




2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 7664-38-2	Phosphorsäure Acute Tox. 4 (H302), Met. Corr. 1 (H290), Skin Corr. 1B (H314) Specific concentration limit (SCL) Skin Corr. 1B; H314: $C \geq 25\%$ Skin Irrit. 2; H315: $10\% \leq C < 25\%$ Eye Dam. 1; H318: $C \geq 25\%$ Eye Irrit. 2; H319: $10\% \leq C < 25\%$	10 - < 20 weight-%
CAS No.: 69011-36-5	Isotridecanol,ethoxylated Acute Tox. 4 (H302), Eye Dam. 1 (H318)  Danger	< 10 weight-%
CAS No.: 112-34-5 EC No.: 203-961-6 REACH No.: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Eye Irrit. 2 (H319)  Warning	< 5 weight-%
CAS No.: 85536-14-7 EC No.: 287-494-3	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), Eye Dam. 1 (H318), Skin Corr. 1C (H314)  Danger	0 - < 3 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

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After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed

Skin corrosion/irritation Serious eye damage/eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

[\P:ff2a1466-0380-4d9e-872f-6a46d064459b\](#)

Unsuitable extinguishing media:

[\P:2115ce28-33a5-48ab-b0e9-d5843c52a7ab\](#)

5.2. Special hazards arising from the substance or mixture

[\P:6c6afa3b-03ee-4176-b30d-236c5fd16b34\](#)

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Storage class (TRGS 510, Germany): 8B - Non-combustible corrosive substances

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
PL	Phosphorsäure CAS No.: 7664-38-2	① 1 mg/m ³ ② 2 mg/m ³
IOELV (EU)	Phosphorsäure CAS No.: 7664-38-2	① 1 mg/m ³ ② 2 mg/m ³
IOELV (EU)	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 10 ppm (67.5 mg/m ³) ② 15 ppm (101.2 mg/m ³)
PL	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 67 mg/m ³ ② 100 mg/m ³

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

8.2.3. Environmental exposure controls

No data available

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: red

Odour: parfümiert

Safety relevant basis data

parameter		at °C	Method	Remark
pH	1			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.1 g/cm ³			
Relative density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility	miscible			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

May be corrosive to metals.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Risk of ignition or formation of inflammable gases or vapors with: metals, light metals, metal alloys. It can develop: hydrogen. Violent reactions possible with: alkalis, metal oxides.

Oxidizing agent

10.4. Conditions to avoid

Avoid high temperatures or direct sunlight.

10.5. Incompatible materials

Aluminum, iron, ferrous compounds, steel. Hydrogen is given off through reaction with metals.

Corrosives, halogens, alkalis, acids, reactive chemicals

10.6. Hazardous decomposition products

No data available

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Substance name	Toxicological information
Phosphorsäure CAS No.: 7664-38-2	LD₅₀ dermal: 2,740 mg/kg (Kaninchen)
Isotridecanol,ethoxylated CAS No.: 69011-36-5	LD₅₀ oral: 300 - 2,000 mg/kg (Ratte) LD₅₀ dermal: >2,000 mg/kg (Ratte)
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	LD₅₀ oral: 2,410 mg/kg (Mouse) LD₅₀ dermal: 2,764 mg/kg (Rabbit)
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. CAS No.: 85536-14-7 EC No.: 287-494-3	LD₅₀ oral: 300 - 2,000 mg/kg (Ratte) Experimentell LD₅₀ dermal: >2,000 mg/kg (Ratte) Abgeleitet von anderem Produkt

Acute oral toxicity:

Based on available data, the classification criteria are not met.

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

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.

Additional information:

No data available

11.2. Information on other hazards

No data available

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SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
Phosphorsäure CAS No.: 7664-38-2	EC₅₀ : >100 mg/l 2 d (Daphnia magna) ErC₅₀ : >100 mg/l 3 d (Algae/water plant) LC₅₀ : 3 – 3.25 mg/l 4 d (Sonnenbarsch)
Isotridecanol,ethoxylated CAS No.: 69011-36-5	LC₅₀ : >1 – 10 mg/l 4 d (fish) EC₅₀ : >1 – 10 mg/l 2 d (crustaceans) EC₅₀ : >1 – 10 mg/l 3 d (Algae/water plant) NOEC : >1 mg/l 21 d (crustaceans) LC₅₀ : >1 – 10 mg/l (fish, Daphnia magna) LC₅₀ : >1 – 10 mg/l (fish)
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	LC₅₀ : 1,300 mg/l 4 d (Sonnenbarsch) OECD 203 EC₅₀ : >100 mg/l 2 d (Daphnia magna) ErC₅₀ : 1,101 mg/l 3 d (Algae/water plant)
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. CAS No.: 85536-14-7 EC No.: 287-494-3	LC₅₀ : 1 – 10 mg/l (fish, Lepomis macrochirus) DIN EN ISO 7346-2 EC₅₀ : 1 – 10 mg/l (crustaceans, Daphnia magna) NOEC : 0.1 – 1 mg/l (fish, Oncorhynchus mykiss) NOEC : 1 – 10 mg/l (crustaceans, Daphnia magna)

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Substance name	Log K _{OW}	Bioconcentration factor (BCF)
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	= 1	
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. CAS No.: 85536-14-7 EC No.: 287-494-3	= 3.2	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
Phosphorsäure CAS No.: 7664-38-2	—
Isotridecanol,ethoxylated CAS No.: 69011-36-5	—
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	—
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. CAS No.: 85536-14-7 EC No.: 287-494-3	—

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

20 01 29 * Detergents containing hazardous substances

*: Evidence for disposal must be provided.

Waste code packaging:





20 01 39 plastics

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
UN 1760	UN 1760	UN 1760	UN 1760
14.2. UN proper shipping name			
CORROSIVE LIQUID, N.O.S. (Phosphorsäure, Lösung)	CORROSIVE LIQUID, N.O.S. (Phosphorsäure, Lösung)	CORROSIVE LIQUID, N.O.S. (Phosphorsäure, Lösung, n-Alkylbenzolsulfonsäure)	CORROSIVE LIQUID, N.O.S. (Phosphorsäure, Lösung)
14.3. Transport hazard class(es)			
 8	 8	 8	 8
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
No	No	No	No

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Land transport (ADR/ RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO- TI / IATA-DGR)
14.6. Special precautions for user			
Special provisions: 274 Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 Hazard identification number (Kemler No.): 80 Classification code: C9 tunnel restriction code: (E) Remark:	Special provisions: 274 Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 Classification code: C9 Remark:	Special provisions: 274 Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 EmS-No.: F-A, S-B Remark:	Special provisions: A3 Limited quantity (LQ): Y840 Excepted Quantities (EQ): E2 Remark:

14.7. Maritime transport in bulk according to IMO instruments

No data available

Additional information:

The transport regulations are quoted according to international regulations and in the form in which they are used in Germany. Possible deviations in other countries are not taken into account.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

Ingredients according to detergent regulation 648/2004 / EG:

Nonionic surfactants: Less than 5%

Anionic surfactants: Less than 5%.

Phosphates: 15% and above, but less than 30%

Fragrances.

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

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16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Corrosive to metals (<i>Met. Corr. 1</i>)	H290: May be corrosive to metals.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

The information is based on our current level of knowledge and is used to describe the product with regard to the safety precautions to be taken. They do not represent a guarantee of the properties of the product described.

It is the responsibility of the recipient of our product to observe existing laws and regulations.