

Safety data sheet

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

Date of issue: 06.09.2013 Supersedes edition of: ---

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

1.1 Product identifier

Product name: SW Power Gel

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

Sanitary cleaner

1.3 Details of the supplier of the safety data sheet

Company: Otto Oehme GmbH
 Industriestraße 20
 D-90584 Allersberg Deutschland
 Tel. +49 9176 98050
 info@oehme-lorito.de

1.4 Emergency telephone number

Poison Control Center Nuremberg, Tel. + 49 911 398 2451

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

C Corrosive R 34

2.2 Label elements

Labelling (67/548/EEC or 1999/45/EC)

Symbol: C Corrosive.

R-phrases: 34

Causes burns.

S-phrases: 26-36/37/39-45

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains: Phosphoric acid.

2.3 Other hazards

None known.

SECTION 3: Composition / information on ingredients

Solution in water.

Hazardous components**Name according to EC-Directives:**

CAS-No.	EC-No.	EC-Index-No.	Labelling according to EC-Directives	Content
Phosphoric acid 7664-38-2	231-633-2	015-011-00-6	C R 34	>10 – <20 %

REACH Registration Number: 01-2119485924-24-0000

Sodium lauryl ether sulphate 68891-38-3	500-234-8		Xi R 36/38	<20 %
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REACH Registration Number: 01- 2119488639-16

Full text of R-Phrases: see under section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

After inhalation: Fresh air. If breathing stops: Immediately apply mechanical ventilation, if necessary oxygen mask. Call in physician if feeling unwell.

After skin contact: Wash off with plenty of water. Swap with polyethylene glycol 400. Immediately remove contaminated clothing. Consult a physician if skin irritations occur.

After eye contact: Rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist immediately.

After swallowing: Make victim drink plenty of water (two glasses at most), avoid vomiting (risk of perforation). Immediately call in physician. Do not attempt to neutralise.

4.2 Most important symptoms and effects, both acute and delayed

Irritation and corrosion, irritant effects, conjunctivitis, pain, convulsions, shock.
Risk of blindness.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

For this substance / mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Further information

Prevent fire-fighting water from entering surface water or groundwater.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Caution: Risk of slipping.

Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms.

6.2 Environmental precautions

Do not allow to enter sewerage system.

6.3 Methods and material for containment and cleaning up

Cover drains. Take up with incombustible liquid-absorbent material. Forward for disposal. Clean up affected area.

6.4 Reference to other sections

Indications about waste treatment see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Notes for safe handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Do not inhale vapours/aerosols. Avoid generation of vapours/aerosols.

Notes for prevention of fire and explosion

Not required.

7.2 Conditions for safe storage, including any incompatibilities

Store cool above 5 °C. Keep away from sun and heat.
Tightly closed in a well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Phosphoric acid

ECTLV

Name Phosphoric acid
 Limit value 8 hours 1 mg/m³

Short term (< 15 min.) 2mg/m³

EH40 WEL

Name Phosphoric acid
 Short term exposure limit (STEL) 2 mg/m³

Time weighted average (TWA) 1 mg/m³

8.2 Exposure controls

Individual protection measures

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye / face protection:

Tightly fitting safety goggles (EN 166).

Hand protection:

Glove material: Nitrile rubber, Viton.

Details on the penetration time have to be asked by the manufacturer.

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374.

Other protective equipment

Acid-resistant protective clothing.

Respiratory protection:

Required when vapours/aerosols are generated. Filter A2 P2 (EN 14387).

Hygiene measures

Change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	liquid
Colour:	red
Odour:	perfumed
pH value	1
Melting point	not specified
Boiling point	not specified
Ignition temperature	not applicable

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Flash point		not applicable
Explosion limits	lower	not applicable
	upper	not applicable
Density (23 °C)		~ 1.1 g/cm ³
Viscosity, dynamic		not specified
Solubility in water		soluble

9.2 Other information

None.

SECTION 10: Stability and reactivity

10.1 Reactivity

See section 10.3.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Bases, metallic oxides.

Risk of ignition or formation of inflammable gases or vapours with: Metals, metal alloys. Could be formed: Hydrogen.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

Aluminium, iron / iron-containing compounds, mild steel. Gives off hydrogen by reaction with metals.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LD₅₀ rat: 1530 mg/kg (IUCLID; Phosphoric acid)

Symptoms: If ingested, severe burns of the mouth and throat, as well as danger of perforation of the oesophagus and the stomach, pain.

LD₅₀ rat: > 2000 mg/kg (OECD 401; Sodium lauryl ether sulphate)

Acute dermal toxicity

LD₅₀ rabbit: 2740 mg/kg (IUCLID; Phosphoric acid)

Acute inhalation toxicity

LC₅₀ rat: >0.85 mg/l / 1 h (RTECS; Phosphoric acid)

Symptoms: Mucosal irritations.

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Skin irritation

Rabbit: Causes burns (IUCLID; Phosphoric acid).
Rabbit: Irritating (OECD 404; Sodium laurylether sulphate).

Eye irritation

Rabbit: Causes burns (IUCLID; Phosphoric acid).
Conjunctivitis. Risk of serious damage to eyes. Risk of blindness!
Rabbit: Irritating (OECD 405; Sodium laurylether sulphate).

Sensitisation

Human experience: Negative (IUCLID; Phosphoric acid).

Genotoxicity in vitro

Ames test: Negative (IUCLID; Phosphoric acid).
Mutagenicity: Negative (OECD 471; Sodium laurylether sulphate).

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

No aspiration toxicity classification.

11.2 Further information

Systemic effects: Shock, convulsions.

Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

SECTION 12: Ecological information**12.1 Toxicity*****Toxicity to fish***

Gambusia affinis LC₅₀: 138 mg/l /96 h (external MSDS; Phosphoric acid)
Acute fish toxicity: > 10 mg/l (ISO 7346/2; Sodium laurylether sulphate)

Toxicity to daphnia an other aquatic invertebrates

Daphnia magna: EC₅₀: 5 mg/l /12 h (IUCLID; Phosphoric acid)

Toxicity to bacteria

Activated sludge: EC₅₀: 270mg/l (IUCLID; Phosphoric acid)
Acute bacterial toxicity EC₀: > 100 mg/l (OECD 209; Sodium laurylether sulphate)

12.2 Persistence and degradability***Biodegradability***

The surfactants contained in this preparation complies 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.

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Readily biodegradable (external MSDS; Sodium laurylether sulphate).

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other adverse effects

Additional ecological information:

Biological effects: Harmful effect due to pH shift. Caustic even in diluted form.

Further information on ecology

Do not allow to enter waters, waste water, or soil!

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:

Chemicals must be disposed of in compliance with the respective national regulations.

Code of the waste 200129*	Name according to directive 2000/532/EC: Detergents containing dangerous substances.
070601*	Aqueous washing liquids and mother liquors.

Packaging:

Product packaging must be disposed of in compliance with the country-specific regulations or must be to a packaging return system.

Code of the waste 200139	Name according to directive 2000/532/EC: plastics.
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SECTION 14: Transport information

Road and rail, ADR/RID

UN 1760 CORROSIVE LIQUID, N.O.S. (Phosphoric acid, solution), 8, II (E)
Environmentally hazardous: No.

Inland waterway, ADN

Not tested.

Sea, IMDG-Code

UN 1760 CORROSIVE LIQUID, N.O.S. (Phosphoric acid, solution), 8, II
EmS: F-A, S-B
Marine pollutant: No.

Air, IATA-DGR

UN 1760 CORROSIVE LIQUID, N.O.S. (Phosphoric acid, solution), 8, II

Environmentally hazardous: No.

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

SECTION 15: Regulatory information

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

EU regulations

Ingredients according to Regulation (EC) on detergents No. 648/2004:

Anionic surfactants: Less than 5 %

Phosphates: 15 % or over but less than 30 %

Perfumes.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Text of any R phrases referred to under section 2 and 3:

34 Causes burns.

36/38 Irritating to eyes and skin.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.