

Safety data sheet

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

Date of issue: 20.03.2020 Supersedes edition of: 24.01.2017

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

Identified uses: Sanitary cleaner

Only for industrial or commercial use. Not to the general public.

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

GIZ Nord Poisons Centre, Göttingen Tel. +49 (0) 551 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Met. Corr. 1, H290

Skin Corr. 1A, H314

Eye Dam. 1, H318

Full text of hazard statements: See under section 16.

2.2 Label elements

Labelling (Regulation (EC) No. 1272/2008)

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 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 or doctor/physician.

Contains: Methanesulfonic acid, alkylpolyglycoside.

2.3 Other hazards

None known.

SECTION 3: Composition / information on ingredients

Solution in water.

Hazardous components (Regulation (EC) No. 1272/2008)

Chemical name				Content
CAS-No.	EC-No.	EC-Index-No.	Classification	
Methanesulfonic acid				< 5 %
75-75-2	200-898-6	607-145-00-4	Met. Corr. 1, H290 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335	

REACH Registration Number: 01-2119491166-34

D-Glucopyranose, oligomers, decyl octyl glycosides				< 3 %
68515-73-1	500-220-1		Eye Dam. 1, H318	

REACH Registration Number: 01- 2119488530-36

Full text of hazard statements: See under section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Fresh air. Call in physician if feeling unwell.

After skin contact: Wash off with plenty of water. Immediately remove contaminated clothing. Call a physician immediately.

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, cough, shortness of breath, dizziness, nausea, vomiting, headache. 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. Use personal protective equipment as required, see section 8.2. Ensure supply of fresh air in enclosed rooms. In case of inadequate ventilation wear respiratory protection.

6.2 Environmental precautions

Do not get undiluted into 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.

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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.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational limit values.

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:

Eye protection (EN 166).

Hand protection:

Material: Nitrile rubber.

Thickness: 0.1 mm

Breakthrough time: > 480 min

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374, e.g. Franz Mensch Nitril Safe Premium.

This recommendation applies only to the product stated in the safety data sheet supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

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
Flash point		not applicable
Explosion limits	lower	not applicable
	upper	not applicable
Density (23 °C)		~ 1.0 g/cm ³
Viscosity, dynamic		not specified
Solubility in water		soluble

9.2 Other information

None.

SECTION 10: Stability and reactivity

10.1 Reactivity

Has a corrosive effect.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Violent reactions possible with:

Strong alkalis, oxidizing agents, strong reducing agents, amines, hydrogen fluoride, acids.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Lead, iron, copper, brass, mild steel.

10.6 Hazardous decomposition products

See section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LD₅₀ rat: 649 mg/kg (OECD 401; Methanesulfonic acid)

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

LD₅₀ rat: > 5000 mg/kg (OECD 401; Alkylpolyglucoside)

Acute dermal toxicity

LD₅₀ rabbit: > 1000 – 2000 mg/kg (OECD 402; Methanesulfonic acid)

ATE: 1571 mg/kg (OECD 402; Methanesulfonic acid)

LD₅₀ rabbit: > 5000 mg/kg (OECD 402; Alkylpolyglucoside)

Acute inhalation toxicity

LC₅₀ rat: 1.3 mg/L /6 h (external MSDS; Methanesulfonic acid)

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Symptoms: Mucosal irritations, cough, shortness of breath. Possible damages: Damage of respiratory tract, lung oedema, Symptoms may be delayed.

Skin irritation

Causes burns (external MSDS; Methanesulfonic acid).

Rabbit: Weakly irritating (OECD 404; Alkylpolyglucoside).

Eye irritation

Rabbit: Causes burns. (IUCLID; Methanesulfonic acid).

Causes serious eye damage. Risk of blindness!

Rabbit: Causes burns (OECD 405; Alkylpolyglucoside).

Causes serious eye damage.

Sensitisation

Sensitisation test (Bühler-test Guinea pig): Negative (external MSDS; Methanesulfonic acid).

Guinea pigs: Negative (OECD 406; Alkylpolyglucoside).

Genotoxicity in vivo

In vivo micronucleus test, mouse, male and female, oral, bone marrow: Negative (OECD 474; Methanesulfonic acid).

Genotoxicity in vitro

Ames test: Salmonella typhimurium: Negative (OECD 471; Methanesulfonic acid).

Mutagenicity: Ames Test bacteria: Negative (OECD 471; Alkylpolyglucoside).

Mutagenicity

In vitro mammalian cell gene mutation test: Negative (OECD 476; Methanesulfonic acid).

Bacteria: No evidence of genotoxic potential (external MSDS; Methanesulfonic acid).

Mammal cell cultures: No evidence of mutagen potential (Methanesulfonic acid).

Mammals: No evidence of mutagen potential (external MSDS; Methanesulfonic acid).

Bacteria: No evidence of mutagen potential (external MSDS; Alkylpolyglucoside).

Carcinogenicity

Did not show carcinogenic effects in animal experiments (OECD 453; Methanesulfonic acid).

Reproductive toxicity

No impairment of reproductive performance in animal experiments (external MSDS; Methanesulfonic acid).

Teratogenicity

Did not show teratogenic effects in animal experiments (external MSDS; Methanesulfonic acid).

Did not show teratogenic effects in animal experiments (external MSDS; Alkylpolyglucoside).

Specific target organ toxicity - single exposure

May cause respiratory irritation. Target Organs: Respiratory system (external MSDS; Methanesulfonic acid).

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

Further hazardous properties cannot be excluded. The product should be handled with the care

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usual when dealing with chemicals.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

Oncorhynchus mykiss LC₅₀: > 10 – 100 mg/l /96 h (OECD 203; Methanesulfonic acid)

Cyprinodon variegatus LC₅₀: > 10000 mg/l /96 h (OECD 203; Methanesulfonic acid)

Brachydanio rerio LC₅₀: > 100 mg/l (DIN EN ISO 7346-2; Alkylpolyglucoside)

Brachydanio rerio NOEC: > 1 – 10 mg/l (OECD 204; Alkylpolyglucoside)

Toxicity to daphnia and other aquatic invertebrates

Daphnia magna EC₅₀: > 10 – 100 /48 h (OECD 202; Methanesulfonic acid)

Daphnia magna: EC₅₀: > 100 mg/l (OECD 202; Alkylpolyglucoside)

Daphnia magna: NOEC: > 1 – 10 mg/l (OECD 202; Alkylpolyglucoside)

Toxicity to algae

Selenastrum capricornutum EC₅₀: > 10 – 100 mg/l /72 h (OECD 201; Methanesulfonic acid)

Scenedesmus subspicatus EC₅₀: > 10 – 100 mg/l (Directive 88/302/EEC, part C, p. 89; Alkylpolyglucoside)

Toxicity to bacteria

Activated sludge: EC₂₀: > 1000 mg/l / 30 min (OECD 209; Methanesulfonic acid)

Activated sludge: Pseudomonas putida EC₀: > 100 mg/l (OECD 209; Alkylpolyglucoside)

Activated sludge: Pseudomonas putida EC₀: > 100 mg/l (DIN 38412 part 8; Alkylpolyglucoside)

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.

Biodegradation: > 70 % /28 d (OECD 301 A; Methanesulfonic acid).

Readily biodegradable (Methanesulfonic acid).

Readily biodegradable (OECD 301; Alkylpolyglucoside).

12.3 Bioaccumulative potential

Partition coefficient: n-octanol / water: log P_{OW}: -2.38 (external MSDS; calculated; Methanesulfonic acid).

No bioaccumulation is to be expected (Methanesulfonic acid).

No bioaccumulation is to be expected (external MSDS; Alkylpolyglucoside).

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.

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12.6 Other adverse effects

Additional ecological information:

Biological effects: Forms corrosive mixtures with water even if diluted.
Avoid release to the environment.

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*
070601*

Name according to directive 2000/532/EC:
Detergents containing dangerous substances.
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.

SECTION 14: Transport information

Road and rail, ADR/RID

UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Methanesulfonic acid), 8, II (E)
Environmentally hazardous: No.

Inland waterway, ADN

Not tested.

Sea, IMDG-Code

UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Methanesulfonic acid), 8, II
EmS: F-A, S-B
Marine pollutant: No.

Air, IATA-DGR

UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Methanesulfonic acid), 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:
Non-ionic surfactants: Less than 5 %

Perfumes.

15.2 Chemical safety assessment

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

SECTION 16: Other information

Reason for alteration:

SECTION 2: Hazards identification
SECTION 3: Composition / information on ingredients
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SECTION 8: Exposure controls/personal protection
Exposure controls: Hand protection
SECTION 9: Physical and chemical properties
SECTION 10: Stability and reactivity
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SECTION 13: Disposal considerations
SECTION 14: Transport information
SECTION 15: Regulatory information
SECTION 16: Other information

Full text of hazard statements referred to under sections 2 and 3:

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

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.