

Safety Data Sheet Super-Clean - WM deep cleaner, AEG



Safety Data Sheet dated 24/5/2016, version 1

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

1.1. Product identifier

Mixture identification:

Trade name: Super-Clean - WM deep cleaner, AEG

Trade code: 9029797231

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

Recommended use:

Degreaser for dishwashers and washing machine

1.3. Details of the supplier of the safety data sheet

Company:

AXOR SRL

Via dell'Artigianato 8

35020 Pernumia (PD)

AXOR-S.R.L. - Tel. 0039-0429 - 763476 from Monday to Friday 8.30-17.30

Competent person responsible for the safety data sheet:

axor@axor.net

1.4. Emergency telephone number

AXOR-S.R.L. - Tel. 0039-0429 - 763476 from Monday to Friday 8.30-17.30

CENTRO ANTIVELENI DI BERGAMO tel: 0039-800-883300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Warning, Ox. Sol. 3, May intensify fire oxidiser..

Warning, Skin Irrit. 2, Causes skin irritation.

Danger, Eye Dam. 1, Causes serious eye damage.

Warning, STOT SE 3, May cause respiratory irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Product contents:

List of all ingredients by decreasing weight, divided into percentage weight categories (Reg 648/2004EC Ann. VII, C).

oxygen-based bleaching agents > 30 %

phosphonates, non-ionic surfactants < 5 %

The product also contains: Enzymes

Preservatives: BENZISOTHIAZOLINONE

Hazard pictograms:

Danger

Hazard statements:

H272 May intensify fire; oxidiser.



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H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat - No smoking.

P221 Take any precaution to avoid mixing with combustibles.

P271 Use only outdoors or in a well-ventilated area.

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

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.

P405 Store locked up.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contents

Sodium disilicate

Sodium percarbonate

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures






Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 30% - < 50%	Sodium percarbonate	CAS: 15630-89-4 EC: 239-707-6 REACH No.: 01-2119457268-30	2.14/3 Ox. Sol. 3 H272 3.1/4/Oral Acute Tox. 4 H302 3.3/1 Eye Dam. 1 H318
>= 30% - < 50%	sodium carbonate	Index number: 011-005-00-2 CAS: 497-19-8 EC: 207-838-8 REACH No.: 01-2119485498-19	3.3/2 Eye Irrit. 2 H319
>= 20% - < 30%	Sodium disilicate	CAS: 1344-09-8 EC: 215-687-4 REACH No.: 01-2119448725-31	3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335
< 0.1%	subtilisin	Index number: 647-012-00-8 CAS: 9014-01-1	3.1/4/Oral Acute Tox. 4 H302 3.8/3 STOT SE 3 H335



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		EC: 232-752-2	 4.1/A1 Aquatic Acute 1 H400  4.1/C2 Aquatic Chronic 2 H411  3.2/2 Skin Irrit. 2 H315  3.3/1 Eye Dam. 1 H318  3.4.1/1-1A-1B Resp. Sens. 1,1A,1B H334
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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

CO₂ or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.



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SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Remove all sources of ignition.
 - Wear breathing apparatus if exposed to vapours/dusts/aerosols.
 - Provide adequate ventilation.
 - Use appropriate respiratory protection.
 - See protective measures under point 7 and 8.
 - 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
 - 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water.
 - 6.4. Reference to other sections
 - See also section 8 and 13
-

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Use localized ventilation system.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
 - 7.2. Conditions for safe storage, including any incompatibilities
 - Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
 - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - Keep away from combustible materials.
 - Instructions as regards storage premises:
 - Cool and adequately ventilated.
 - 7.3. Specific end use(s)
 - None in particular
-

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - Sodium percarbonate - CAS: 15630-89-4
 - TLV TWA - 3 mg/m³
 - subtilisin - CAS: 9014-01-1
 - ACGIH - STE: C 0.00006 mg/m³ - Notes: Asthma, skin, URT and LRT irr
- DNEL Exposure Limit Values
 - Sodium percarbonate - CAS: 15630-89-4
 - Worker Professional: 12.8 - Consumer: 12.8 mg/cm² - Exposure: Human Dermal - Frequency: Long Term (repeated)
 - Worker Professional: 12.8 - Consumer: 6.4 mg/cm² - Exposure: Human Dermal - Frequency: Short Term (acute)



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Worker Professional: 12.8 - Consumer: 5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term (repeated)
sodium carbonate - CAS: 497-19-8
Worker Industry: 0.01 mg/l - Exposure: Human Inhalation
Consumer: 0.01 mg/l - Exposure: Human Inhalation
Sodium disilicate - CAS: 1344-09-8
Worker Professional: 0.00561 mg/l - Consumer: 0.00138 mg/l - Exposure: Human Inhalation - Frequency: Long Term (repeated)
Worker Professional: 1.59 mg/kg - Consumer: 0.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term (repeated)
Consumer: 0.8 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)
subtilisin - CAS: 9014-01-1
Worker Industry: 2000 mg/kg
PNEC Exposure Limit Values
Sodium percarbonate - CAS: 15630-89-4
Target: Fresh Water - Value: 0.03 mg/l
Target: Marine water - Value: 0.03 mg/l
Target: waste treatment plant - Value: 16.24 mg/l
Sodium disilicate - CAS: 1344-09-8
Target: Fresh Water - Value: 7.5 mg/l
Target: Marine water - Value: 1 mg/l
8.2. Exposure controls
Eye protection:
Use close fitting safety goggles, don't use eye lens.
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
Respiratory protection:
Use respiratory protection where ventilation is insufficient or exposure is prolonged.
Thermal Hazards:
None
Environmental exposure controls:
None
Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Powder granular white	--	--
Odour:	Odorless	--	--
Odour threshold:	Not Available	--	--
pH:	N.A.	--	--
Melting point / freezing point:	Not Available	--	--
Initial boiling point and boiling range:	Not Available	--	--
Flash point:	Not Available ° C	--	--
Evaporation rate:	Not Available	--	--



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Solid/gas flammability:	NOT FLAMMABLE	--	--
Upper/lower flammability or explosive limits:	Not Available	--	--
Vapour pressure:	Not Available	--	--
Vapour density:	Not Available	--	--
Relative density:	1.14	--	--
Solubility in water:	SOLUBLE	--	--
Solubility in oil:	INSOLUBLE	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

- 10.1. Reactivity
 - Stable under normal conditions
- 10.2. Chemical stability
 - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
 - None
- 10.4. Conditions to avoid
 - Stable under normal conditions.
- 10.5. Incompatible materials
 - Avoid contact with combustible materials: the product may explode.
- 10.6. Hazardous decomposition products
 - None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
 - Toxicological information of the mixture:
 - N.A.
 - Toxicological information of the main substances found in the mixture:
 - Sodium percarbonate - CAS: 15630-89-4
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat = 893 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
 - Test: LD50 - Route: Inhalation - Species: Mouse = 700 mg/m3
 - sodium carbonate - CAS: 497-19-8
 - a) acute toxicity:
 - Test: LC50 - Route: Inhalation - Species: Rat = 2300 mg/m3



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Test: LD50 - Route: Oral - Species: Rat = 2800 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Sodium disilicate - CAS: 1344-09-8

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 2.06 g/m³

Test: LD50 - Route: Oral - Species: Rat = 3400 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Sodium percarbonate - CAS: 15630-89-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 70.7 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia = 4.9 mg/l - Duration h: 48 - Notes: Daphnia pulex

Endpoint: NOEC - Species: Daphnia = 2 mg/l - Duration h: 48 - Notes: Daphnia pulex

Endpoint: EC50 - Species: BACTERIUM = 8 mg/l - Duration h: 140 - Notes: anabaena

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 7.4 mg/l - Duration h: 96 - Notes: Pimephales promelas

sodium carbonate - CAS: 497-19-8

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 200 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 300 mg/l - Duration h: 96

Sodium disilicate - CAS: 1344-09-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1108 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1700 mg/l - Duration h: 48

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number
 - ADR-UN number: 3378
 - IN BAGS 50gr, ADR LIMITED QUANTITY
- 14.2. UN proper shipping name
 - SODIUM CARBONATE PEROXYHYDRATE
- 14.3. Transport hazard class(es)
 - ADR-Class: 5.1
 - ADR - Hazard identification number: III
- 14.4. Packing group
- 14.5. Environmental hazards
- 14.6. Special precautions for user
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
 - Dir. 98/24/EC (Risks related to chemical agents at work)
 - Dir. 2000/39/EC (Occupational exposure limit values)
 - Regulation (EC) n. 1907/2006 (REACH)
 - Regulation (EC) n. 1272/2008 (CLP)
 - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 - Regulation (EU) 2015/830
 - Regulation (EU) n. 286/2011 (ATP 2 CLP)
 - Regulation (EU) n. 618/2012 (ATP 3 CLP)
 - Regulation (EU) n. 487/2013 (ATP 4 CLP)
 - Regulation (EU) n. 944/2013 (ATP 5 CLP)
 - Regulation (EU) n. 605/2014 (ATP 6 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
 - None
- Where applicable, refer to the following regulatory provisions :
 - Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
 - Regulation (EC) nr 648/2004 (detergents).
 - 1999/13/EC (VOC directive)
- Provisions related to directive EU 2012/18 (Seveso III):
 - N.A.
- 15.2. Chemical safety assessment
 - No

SECTION 16: Other information

- Full text of phrases referred to in Section 3:
 - H272 May intensify fire; oxidiser.
 - H302 Harmful if swallowed.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H315 Causes skin irritation.
 - H335 May cause respiratory irritation.
 - H400 Very toxic to aquatic life.
 - H411 Toxic to aquatic life with long lasting effects.



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H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.