

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 3.5 (replaces version 3.4)

Revision: 28.02.2024

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

1.1 Product identifier

Trade name: Polymer Composite Cleaner for the exterior

Article number: 8021

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

No further relevant information available.

Application of the substance / the mixture

Cleaning agent/ Cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
 Affhüppen Esch 12
 D-48231 Warendorf
 Germany

Further information obtainable from:

Product safety department
 Tel.: +49 (0) 251 / 692 - 188
 Fax: +49 (0) 251 / 692 - 462
 e-mail: helmut.starp@osmo.de

1.4 Emergency telephone number:

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

Hazard pictograms



GHS05

Signal word

Danger

Hazard-determining components of labelling:

disodium metasilicate
 Alcohols, C9-11, ethoxylated
 Quartäres Kokosalkylmethylaminethoxylat-methylchlorid

Hazard statements

H315 Causes skin irritation.
 H318 Causes serious eye damage.

Precautionary statements

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

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P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P280	Wear protective gloves / eye protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with national regulations.

Additional information: Reacts with acid under evolution of heat. Risk of splashing!
Observe the general safety regulations when handling chemicals.

2.3 Other hazards Clean skin thoroughly immediately after handling the product.
Always wear a dust mask when sanding.
Observe the general safety regulations when handling chemicals.

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 6834-92-0 EINECS: 229-912-9 Index number: 014-010-00-8	disodium metasilicate ☠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; STOT SE 3, H335	≥2.5–<5%
CAS: 68439-46-3	Alcohols, C9-11, ethoxylated ☠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	≥3–≤10%
CAS: 863679-20-3	Quartäres Kokosalkylmethylaminethoxylat-methylchlorid ☠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315	≥3–<10%

SVHC Not applicable.

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

cationic surfactants, C9-11 PARETH-3	<5%
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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: Immediately remove any clothing soiled by the product.
Take affected persons out into the fresh air.

After inhalation: Supply fresh air.

After skin contact: Immediately wash with water and soap and rinse thoroughly.
If skin irritation or rash occurs: Get medical advice/attention.

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After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.

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 No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents:

Water with full jet

5.2 Special hazards arising

from the substance or

mixture

Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Concentrated product is not flammable.

Protective equipment:

Wear self-contained respiratory protective device.

Additional information

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

Wear protective clothing.

For non-emergency

personnel

No action shall be taken involving any personal risk or without suitable training.

For emergency responders

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental

precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for

containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

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6.4 Reference to other sections

Dispose of the material collected according to regulations.
 Ensure adequate ventilation.

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well ventilated areas.
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
 Avoid contact with skin and eyes.

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Store protective clothing separately.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the skin.
 Avoid contact with the eyes and skin.
 Do not eat, drink, smoke or sniff while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep container tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.

Storage class:

TRGS 510 storage class: 12 non-flammable liquids that can not be assigned to any other storage class.
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7.3 Specific end use(s)

No further relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

**Ingredients with limit 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.

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

**Appropriate engineering
 controls**

Ensure good ventilation/exhaustion at the workplace.

Individual protection measures, such as personal protective equipment

**General protective and
 hygienic measures:**

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Avoid contact with the eyes and skin.
 Do not inhale gases / fumes / aerosols.
 Wash hands before breaks and at the end of work.
 The usual precautionary measures are to be adhered to when handling
 chemicals.
 Store protective clothing separately.
 Avoid contact with the skin.
 Do not eat, drink, smoke or sniff while working.
 See Section 7 for information on safe handling.

Respiratory protection:

Not necessary if room is well-ventilated.
 In case of brief exposure or low pollution use respiratory filter device. In case
 of intensive or longer exposure use self-contained respiratory protective
 device.

Use a properly fitted, air-purifying or air-fed respirator complying with an
 approved standard if a risk assessment indicates this is necessary.

Hand protection

Protective gloves

The glove material has to be impermeable and resistant to the product/ the
 substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates
 of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but
 also on further marks of quality and varies from manufacturer to manufacturer.
 As the product is a preparation of several substances, the resistance of the
 glove material can not be calculated in advance and has therefore to be
 checked prior to the application.

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Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR
 Recommended thickness of the material: ≥ 0.4 mm
 For the mixture the penetration time has to be at least 480 minutes
 (Permeation according to EN 374 Part 3: Level 6).

As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Eye/face protection

If risk of splashing:
 Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses with side protection)
 Tightly sealed goggles

Body protection:

When transferring or diluting: plastic apron
 Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Fluid
Colour:	Pale
Odour:	Mild
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	100 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Decomposition temperature:	Not determined.
pH (10 g/l) at 20 °C	10.9
Viscosity:	
Kinematic viscosity	> 30 s (ISO 3mm)
Dynamic at 20 °C:	32 mPas
Solubility	
water:	Fully miscible.
Partition coefficient n-octanol/water (log value)	Not determined.

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Vapour pressure at 20 °C:	23 hPa
Density and/or relative density	
Density at 20 °C:	1.068 g/cm ³ (DIN 51757)
Relative density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
VOC (EC)	0 g/l
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition /

conditions to be avoided: No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Strong exothermic reaction with acids.

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- 10.4 Conditions to avoid** Heating above 80 ° C, frost
- 10.5 Incompatible materials:** Caution! Do not use with other products.
- 10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)

SECTION 11: Toxicological information

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

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

LD/LC50 values relevant for classification:

6834-92-0 disodium metasilicate

Oral	LD50	1,280 mg/kg (rat)
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68439-46-3 Alcohols, C9-11, ethoxylated

Oral	LD50	500 mg/kg (ATE)
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863679-20-3 Quartäres Kokosalkylmethylaminethoxylat-methylchlorid

Oral	LD50	500 mg/kg (ATE)
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Skin corrosion/irritation

Dermal	Skin irritation	
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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.

Subacute to chronic toxicity:

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

Additional toxicological

information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Biolog. Abbaubarkeit	>90 % (OECD 301c (19 Tage))
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12.2 Persistence and degradability

Easily biodegradable

Method OECD (19 days)

Analysing method 301 c

Degree of elimination: > 90%

12.3 Bioaccumulative

potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Remark: In dilution no effect of the biological sewage treatment plant.

Additional ecological information:

COD-value: ~ 400 mg/g

AOX-indication: free

According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/

EC: none

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

07 06 01*	aqueous washing liquids and mother liquors
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15 01 10*	packaging containing residues of or contaminated by hazardous substances
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Uncleaned packaging:

Recommendation: Packaging may be reused or recycled after cleaning.

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Recommended cleansing agents:

Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number ADR, ADN, IMDG, IATA	Not applicable
14.2 UN proper shipping name ADR ADN, IMDG, IATA	Not applicable Not applicable
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Not applicable
14.4 Packing group ADR, IMDG, IATA	Not applicable
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
UN "Model Regulation":	Not applicable

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous

substances - ANNEX I

None of the ingredients is listed.

REGULATION (EC) No

1907/2006 ANNEX XVII

Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

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REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:**GISBAU-Code**

GISCODE: GG40

15.2 Chemical safety**assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Department issuing SDS: product safety department**Contact:** Hr. Dr. Starp**Date of previous version:** 07.08.2019**Version number of previous****version:** 3.4

Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative

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Sources

ATE: Acute toxicity estimate values
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
ESIS : European chemical Substances Information System
ECHA Portal
Safety data sheets from raw material suppliers

*** Data compared to the
previous version altered.**

Additions, Deletions, Revisions
Updated according to regulation (EU) 2020/878 amending regulation (EC) No:
1907/2006 (REACH)

EU