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[Osmo Polymer Composite Cleaner 8021](#)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 20.01.2014

Version number 2

Revision: 06.01.2014

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

#### 1.1 Product identifier

**Trade name:** 8021 Osmo WPC & BPC Cleaner Concentrate

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

**Application of the substance / the preparation** No further relevant information available.

**Application of the substance / the preparation** 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

#### Further information obtainable from:

Product safety department  
Phone: +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

Eye Dam. 1 H318 Causes serious eye damage.

Skin Irrit. 2 H315 Causes skin irritation.

##### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Irritant

R36/38: Irritating to eyes and skin.

##### Information concerning

##### particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

##### Classification system:

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

#### 2.2 Label elements

##### Labelling according to Regulation

##### (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### Hazard pictograms



GHS05

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<b>Signal word</b>	Danger
<b>Hazard-determining components of labelling:</b>	disodium metasilicate
<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage.
<b>Precautionary statements</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. 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 local/regional/national/international regulations.
<b>Additional information:</b>	Reacts with acid under evolution of heat. Risk of splashing! Observe the general safety regulations when handling chemicals.
<b>2.3 Other hazards</b>	
<b>Results of PBT and vPvB assessment</b>	
<b>PBT:</b>	Not applicable.
<b>vPvB:</b>	Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

<b>Dangerous components:</b>		
CAS: 6834-92-0 EINECS: 229-912-9 Index number: 014-010-00-8	disodium metasilicate C R34;  Xi R37 ----- Skin Corr. 1B, H314 STOT SE 3, H335	< 5%
CAS: 61791-10-4	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides Xi R36 R52/53 ----- Eye Irrit. 2, H319 Aquatic Chronic 3, H412	< 5%
CAS: 9043-30-5	fatty alcohol ethoxylate Xi R36/38 ----- Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 5%

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

cationic surfactants, NTA (nitrilotriacetic acid) and salts thereof, fatty alcohol ethoxylate	< 5%
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**Additional information:**

For the wording of the listed risk phrases refer to section 16.

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#### **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.

**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:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:**

Water with full jet

##### **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide (CO)

##### **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**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

##### **6.2 Environmental precautions:**

Dilute with plenty of water.

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

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**6.3 Methods and material for containment and cleaning up:**

Warm water and cleansing agent  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).  
Dispose of the material collected according to regulations.

**6.4 Reference to other sections**

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**

Keep receptacles tightly sealed.  
Use only in well ventilated areas.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.

**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:**

Do not store together with acids.

**Further information about storage conditions:**

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

**7.3 Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**Additional information about design of technical facilities:**

No further data; see item 7.

**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**

**Personal protective equipment:**

**General protective and hygienic measures:**

Do not carry product impregnated cleaning cloths in trouser pockets.

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<b>Respiratory protection:</b>	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. Not necessary if room is well-ventilated.
<b>Protection of hands:</b>	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
<b>Material of gloves</b>	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.
<b>Penetration time of glove material</b>	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>For the permanent contact gloves made of the following materials are suitable:</b>	Nitrile rubber, NBR
<b>As protection from splashes gloves made of the following materials are suitable:</b>	Nitrile rubber, NBR
<b>Eye protection:</b>	If risk of splashing: Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses with side protection)
<b>Body protection:</b>	When transferring or diluting: plastic apron

**SECTION 9: Physical and chemical properties**
**9.1 Information on basic physical and chemical properties**
**General Information**
**Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Pale
<b>Odour:</b>	Mild
<b>Odour threshold:</b>	Not determined.

**pH-value (10 g/l) at 20 °C:** 10.9

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	100 °C

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<b>Flash point:</b>	Not applicable.
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	23 hPa
<b>Density at 20 °C:</b>	1.068 g/cm <sup>3</sup> (DIN 51757)
<b>Relative density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	Fully miscible.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic at 20 °C:</b>	32 mPas
<b>Kinematic:</b>	> 30 s (ISO 3mm)
<b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

**10.1 Reactivity****10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions**

Strong exothermic reaction with acids.

**10.4 Conditions to avoid**

Heating above 80 °C, frost

**10.5 Incompatible materials:**

Caution! Do not use with other products.  
Do not use with hot water.

**10.6 Hazardous decomposition products:**

Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:** Irritant to skin and mucous membranes.

Dermal	Hautreizung	negativ (-)
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**on the eye:** Irritating effect.

**Sensitization:** No sensitizing effects known.

**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:  
Irritant

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**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.

**Ecotoxicological 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 2 (German Regulation) (Self-assessment): hazardous for water  
Danger to drinking water if even small quantities leak into the ground.

#### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

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### 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
07 06 99	wastes not otherwise specified

#### Uncleaned packaging:

**Recommendation:** Packaging may be reused or recycled after cleaning.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

#### 14.1 UN-Number

**ADR, ADN, IMDG, IATA** Void

#### 14.2 UN proper shipping name

**ADR, ADN, IMDG, IATA** Void

#### 14.3 Transport hazard class(es)

**ADR, ADN, IMDG, IATA**

**Class** Void

#### 14.4 Packing group

**ADR, IMDG, IATA** Void

#### 14.5 Environmental hazards:

**Marine pollutant:** No

#### 14.6 Special precautions for user

Not applicable.

#### 14.7 Transport in bulk according to Annex II of

**MARPOL73/78 and the IBC Code** Not applicable.

#### UN "Model Regulation":

-

### SECTION 15: Regulatory information

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

##### National regulations:

**GISBAU-Code** GISCODE: GG40

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**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**

H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H412 Harmful to aquatic life with long lasting effects.  
 R34 Causes burns.  
 R36 Irritating to eyes.  
 R36/38 Irritating to eyes and skin.  
 R37 Irritating to respiratory system.  
 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Department issuing MSDS:**

product safety department

**Contact:**

Hr. Dr. Starp

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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 Harmonized 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)