

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 Cleaning agent/ Cleaner

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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Signal word	Danger
Hazard-determining components of labelling:	disodium metasilicate
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. 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.
Additional information:	Reacts with acid under evolution of heat. Risk of splashing! Observe the general safety regulations when handling chemicals.
2.3 Other hazards	
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  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:CO₂, 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_x)

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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Respiratory protection:	Keep away from foodstuffs, beverages and feed.
Protection of hands:	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.
	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.
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
As protection from splashes gloves made of the following materials are suitable:	Nitrile rubber, NBR
Eye protection:	If risk of splashing: Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses with side protection)
Body protection:	When transferring or diluting: plastic apron

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

Form:	Fluid
Colour:	Pale
Odour:	Mild
Odour threshold:	Not determined.

pH-value (10 g/l) at 20 °C: 10.9

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C

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Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure at 20 °C:	23 hPa
Density at 20 °C:	1.068 g/cm ³ (DIN 51757)
Relative density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic at 20 °C:	32 mPas
Kinematic:	> 30 s (ISO 3mm)
9.2 Other information	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_x)

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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":

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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)