Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

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

Product identifier

Trade name: **Osmo WR Base Coat Aqua 4008 Clear**

Article number: 4008

Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

Application of the substance / the mixture Wood preservatives

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

Emergency telephone number:
Members of the public seeking specific information on poisons should contact:
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111
emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

Importer
Importer for UK:
OSMO UK,
Smeaton Close
Unit 24 Anglo Business Park
Aylesbury, Bucks HP19 8UP
Phone: 01296 481 220, www.osmouk.com
United Kingdom

2 Hazards identification

Classification of the substance or mixture

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Additional information: For the wording of the listed hazard phrases refer to section 16.

Label elements

Hazard pictograms Void

Signal word Void

Hazard statements H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

(Contd. on page 2)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 1)

P103 Read carefully and follow all instructions.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with national regulations.

Additional information: Must not be used for wood that comes into direct contact with food or feed.
Must not be used inside.
EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 3-Iodo-2-propynylbutylcarbamate, propiconazole. May produce an allergic reaction.

Other hazards 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.

3 Composition/information on ingredients

Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 55406-53-6 EINECS: 259-627-5 Index number: 616-212-00-7 Reg.nr.: 01-2119489924-20	3-Iodo-2-propynylbutylcarbamate Acute Tox. 3, H331; STOT RE 1, H372; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.25–<1%
CAS: 60207-90-1 EINECS: 262-104-4 Index number: 613-205-00-0	propiconazole Repr. 1B, H360D; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.1–<0.25%
CAS: 55965-84-9 Index number: 613-167-00-5	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6% Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.00025–<0.0015%

(Contd. on page 3)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 2)

Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

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

After eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

After swallowing: Rinse mouth.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Firefighting measures

Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: None known.

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures No action shall be taken involving any personal risk or without suitable training.
Do not touch or walk through spilt material.
Do not breathe vapour/spray.
Wear protective clothing.

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

(Contd. on page 4)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 3)

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

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.

7 Handling and storage

Handling:

Precautions for safe handling Avoid contact with skin and eyes.

General protective and hygienic measures: Wash hands before breaks and at the end of work.
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.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.
Store only in the original receptacle.
Provide floor trough without outlet.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Protect from frost.

Storage class: 12

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

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.

(Contd. on page 5)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 4)

DNELs		
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)		
Oral	DNEL Verbraucher (Langzeit - systemische Effekte)	0.09 mg/kg KGew. /Tag
	DNEL Verbraucher (AKUT - systemische Effekte)	0.11 mg/kg KGew./Tag
Inhalative	DNEL Arbeitnehmer (Langzeit - lokale Effekte)	0.02 mg/m³
	DNEL Verbraucher (Langzeit - lokale Effekte)	0.02 mg/m³

PNECs	
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	
PNEC sea water	0.00339 mg/l
PNEC fresh water	0.0039 mg/l
PNEC sediment (fresh water)	0.027 mg/kg
PNEC sediment (sea water)	0.027 mg/kg
PNEC soil	0.01 mg/kg

Additional information: The lists valid during the making were used as basis.

Exposure controls
Personal protective equipment:
General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.
Be sure to clean skin thoroughly after work and before breaks.
Do not carry product impregnated cleaning cloths in trouser pockets.

Respiratory protection: Use a properly fitted, air-purifying or air-fed repirator complying with an approved standard if a risk assessment indicates this is necessary.
Not necessary if room is well-ventilated.
Half mask with round thread connection EN 148-1 (screw-on filter) and combination filter A1 - P2 according to German DIN EN 14387.

Protection of hands: 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.

(Contd. on page 6)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 5)

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 protection: Tightly sealed goggles
Safety glasses according to EN 166 required.

Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Liquid
Colour:	Cream coloured
Odour:	Mild
Odour threshold:	Not determined.
pH-value at 20 °C:	8.4 - 8.6 (Konz. (%w/w):1%)
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.

(Contd. on page 7)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 6)

Density at 20 °C:	1.01 g/cm³ (DIN 51757)
Relative density at 20 °C	1.01
	Not determined.
Evaporation rate at 20 °C	<1 (Butylacetat = 1)
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Solvent content:	
VOCV (CH)	0.00 %
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.
Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects
Acute toxicity

LD/LC50 values relevant for classification:

55406-53-6 3-Iodo-2-propynylbutylcarbamate

Oral	LD50	500 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

(Contd. on page 8)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 7)

Inhalative	LC50 / 4h	0.67 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)
60207-90-1 propiconazole		
Oral	LD50	1,517 mg/kg (rat) (OECD- Prüfrichtlinie 401)
Dermal	LD50	>4,000 mg/kg (rat)
Inhalative	LC50 / 4h	5.8 mg/l (rat) (403 Acute Ihalation Toxicity)
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)		
Oral	LD50	64 mg/kg (rat)
Dermal	LD50	78 mg/kg (rabbit)
Inhalative	LC50 / 4h	0.33 mg/l (rat)

Primary irritant effect:

Skin corrosion/irritation		
60207-90-1 propiconazole		
Dermal	Skin irritation	

Serious eye damage/irritation		
60207-90-1 propiconazole		
Eye irritation		

Respiratory or skin sensitisation		
60207-90-1 propiconazole		
Dermal	sensitization	(guinea pigs)

Subacute to chronic toxicity: Based on available data, the classification criteria are not met.

12 Ecological information

Toxicity

Aquatic toxicity:	
55406-53-6 3-Iodo-2-propynylbutylcarbamate	
EC50 / 48h	0.16 mg/l (Daphnia magna)
EC50/ 72h	0.022 mg/l (algae)
60207-90-1 propiconazole	
EC50 / 48h	10.2 mg/l (Daphnia magna) (Daphnia sp. Acute Immobilisation Test)
EC50/ 72h	0.76 mg/l (algae) (Freshwater Alga Growth Inhibition Test)
LC50 / 96h	4.3 mg/l (fish) (Fish Acute Toxicity Test)
LC50 / 48h	10.2 mg/l (fish)

(Contd. on page 9)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 8)

55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	
EC50 / 48h	0.16 mg/l (Daphnia magna)
LC50 / 96h	0.19 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
Biolog. Abbaubarkeit	>60 %

Persistence and degradability No further relevant information available.
Behaviour in environmental systems:

Bioaccumulative potential	
60207-90-1 propiconazole	
log POW	3.72
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	
log POW	≤0.71–0.75

Mobility in soil No further relevant information available.
Ecotoxical effects:

Behaviour in sewage processing plants:	
55406-53-6 3-Iodo-2-propynylbutylcarbamate	
EC50/ 96h	0.067 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	
EC50	7.9 mg/l (activated sludge organism)

Additional ecological information:
General notes: Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Disposal must be made according to official regulations.

(Contd. on page 10)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 9)

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

UN-Number ***ADR, ADN, IMDG, IATA***	Not applicable
UN proper shipping name ***ADR, ADN, IMDG, IATA***	Not applicable
Transport hazard class(es) ***ADR, ADN, IMDG, IATA*** ***Class***	Not applicable
Packing group ***ADR, IMDG, IATA***	Not applicable
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
UN "Model Regulation":	Not applicable

15 Regulatory information

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

GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
Hazard pictograms Void
Signal word Void
Hazard statements H412 Harmful to aquatic life with long lasting effects.
Precautionary statements P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with national regulations.

(Contd. on page 11)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 10)

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations
Marking in accordance with biocide guideline 98/8/EG Authorisation number:
HSE: UK-2013-0783-0003 // IE/BPA 70083-001 // MT 2013-11-29-B02 // IS-2012-0002
License holder: Troy Chemical Company B.V. Poortweg 4C NL-2612PA Delft

55406-53-6	3-Iodo-2-propynylbutylcarbamate	7.5 g/kg
60207-90-1	propiconazole	2.4 g/kg

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H331 Toxic if inhaled.
H360D May damage the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Department issuing SDS: product safety department
Contact: Hr. Dr. Starp
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
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)
VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)
DNEL: Derived No-Effect Level (UK REACH)

(Contd. on page 12)

Safety data sheet
according to UK REACH

Printing date 31.07.2024 Version number 4.1 Revision: 31.07.2024

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 11)

PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Repr. 1B: Reproductive toxicity – Category 1B
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Sources

ESIS : European chemical Substances Information System
ECHA Portal
Safety data sheets from raw material suppliers

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