

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

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

1.1 Product identifier

Trade name: Osmo WR Base Coat Aqua 4008 Clear

Article number: 4008

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

Wood preservatives

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

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.

2.2 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.

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.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 1)

2.3 Other hazards

Contains biocidal products: 3-Iodo-2-propynylbutylcarbamate, propiconazole, 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)

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.**Determination of endocrine-disrupting properties**

60207-90-1	propiconazole	List II
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SECTION 3: Composition/information on ingredients

3.2 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	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%

SVHC

Not applicable.

Additional information:

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

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 2)

SECTION 4: First aid measures

4.1 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.

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: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: None known.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 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.

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.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 3)

6.2 Environmental**precautions:**

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).

Dispose of the material collected according to regulations.

Warm water and cleansing agent

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

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.

7.2 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:

TRGS 510 storage class: 12 non-flammable liquids that can not be assigned to any other storage class.

7.3 Specific end use(s)

No further relevant information available.

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.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

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/m ³
	DNEL Verbraucher (Langzeit - lokale Effekte)	0.02 mg/m ³

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.
8.2 Exposure controls**Appropriate engineering****controls**

No further data; see item 7.

Individual protection measures, such as 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 respirator 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.

Hand protection

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 1907/2006/EC, Article 31

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

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/face protection

Tightly sealed goggles
 Safety glasses according to EN 166 required.

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Fluid
Colour:	Cream coloured
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 at 20 °C	8.4 - 8.6 (Konz. (%w/w):1%)
Viscosity:	
Kinematic viscosity at 40 °C	1.64 mm ² /s (DIN EN ISO 2884-1)
Dynamic:	Not determined.
Solubility	
water:	Fully miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.

(Contd. on page 7)

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

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 6)

Density and/or relative density

Density at 20 °C:	1.01 g/cm ³ (DIN 51757)
Relative density at 20 °C	1.01
	Not determined.

9.2 Other information**Appearance:**

Form: Liquid

Important information on protection of health and environment, and on safety.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Change in condition

Evaporation rate at 20 °C <1 (Butylacetat = 1)

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

Information on the shelf life Das Produkt ist stabil.

Thermal decomposition /

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

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 7)

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous
decomposition products: No dangerous decomposition products known.

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:
ATE (Acute Toxicity Estimates)

Inhalative	LC50 / 4h	66.7 mg/l (rat)
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55406-53-6 3-Iodo-2-propynylbutylcarbamate

Oral	LD50	500 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
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Inhalative	LC50 / 4h	0.67 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)
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60207-90-1 propiconazole

Oral	LD50	1,517 mg/kg (rat) (OECD- Prüfrichtlinie 401)
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Dermal	LD50	>4,000 mg/kg (rat)
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Inhalative	LC50 / 4h	5.8 mg/l (rat) (403 Acute Inhalation Toxicity)
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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)
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Dermal	LD50	78 mg/kg (rabbit)
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Inhalative	LC50 / 4h	0.33 mg/l (rat)
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Skin corrosion/irritation
60207-90-1 propiconazole

Dermal	Skin irritation	
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Serious eye damage/irritation
60207-90-1 propiconazole

Eye irritation	
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Respiratory or skin
sensitisation

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

60207-90-1 propiconazole

Dermal	sensitization	(guinea pigs)
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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.

(Contd. on page 9)

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

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 8)

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

Additional toxicological information:

Sensitisation 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.

11.2 Information on other hazards**Endocrine disrupting properties**

60207-90-1 propiconazole

List II

SECTION 12: Ecological information**12.1 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)

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 %

12.2 Persistence and degradability

No further relevant information available.

12.3 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

12.4 Mobility in soil No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 9)

12.6 Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

12.7 Other adverse 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.

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.

Disposal must be made according to official regulations.

European waste catalogue

03 02 05* other wood preservatives containing hazardous substances

15 01 10* packaging containing residues of or contaminated by hazardous substances

Uncleaned packaging:
Recommendation:

Disposal must be made according to official regulations.

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

(Contd. on page 11)

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

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 10)

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:	Not applicable.
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

Regulation (EU) No 649/2012

60207-90-1 | propiconazole

Annex I Part 1

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.

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.

(Contd. on page 12)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 11)

National 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

**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.

Reasons for alterations

Change of classification

Reach Annex II (2021)

Relevant phrases

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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.

Classification according to**Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS:

product safety department

Contact:

Hr. Dr. Starp

Version number of previous**version:**

2.1

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)

(Contd. on page 13)

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

Printing date 15.12.2022

Version number 4.0 (replaces version 2.1)

Revision: 15.12.2022

Trade name: Osmo WR Base Coat Aqua 4008 Clear

(Contd. of page 12)

DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 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
 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.**
 Additions, Deletions, Revisions
 Updated according to regulation (EU) 2020/878 amending regulation (EC) No: 1907/2006 (REACH)