

Safety data sheet

according to UK REACH

Printing date 04.03.2025

Version number 5.0

Revision: 06.12.2024

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

Product identifier

Trade name: UV-Protection-Oil Extra

Article number: 420 Clear satin , 424 Spruce, 425 Oak, 426 Larch, 427 Douglas, 428 Cedar, 429 Natural, 431 Light Red Cedar, 432 Light Oak, 1420 Clear matt & mixed colours

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

No further relevant information available.

Application of the substance / the mixture

Paint
Coating compound/ Surface coating/ paint

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:

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English
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
IE: National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)
Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

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.

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Trade name: UV-Protection-Oil Extra

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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.

P262 Do not get in eyes, on skin, or on clothing.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with national regulations.

Additional information:

EUH208 Contains 3-Iodo-2-propynylbutylcarbamate. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Other hazards

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

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: 64742-48-9 EC number: 918-481-9 Reg.nr.: 01-2119457273-39	aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 % ----- ☠ Asp. Tox. 1, H304	20-40%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	Dipropylene glycol monomethyl ether	2.5-<10%
CAS: 127519-17-9 ELINCS: 407-000-3 Index number: 607-281-00-4 Reg.nr.: 01-0000015648-61	A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl] propionates ----- 🌊 Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302	<3%
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. 2, H330; ☠ STOT RE 1, H372; ☠ Eye Dam. 1, H318; 🌊 Aquatic Acute 1, H400 (M=10); 🌊 Aquatic Chronic 1, H410 (M=10); ⚠ Acute Tox. 4, H302; 🧴 Skin Sens. 1, H317	≥0.1-<0.25%

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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:

Take affected persons out into the fresh air.
Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.

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:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse mouth.
If swallowed, seek medical advice immediately and show this container or label.
Do NOT induce vomiting.

Information for doctor:
Most important symptoms and effects, both acute and delayed

Headache
Dizziness

Indication of any immediate medical attention and special treatment needed

If swallowed or in case of vomiting, danger of entering the lungs.

5 Firefighting measures

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:

For this mixture there are no extinguishing agent restrictions.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide (CO)
carbon dioxide (CO₂)

Advice for firefighters
Protective equipment:

Mouth respiratory protective device.
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
General measures for chemical fires.

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Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Cool endangered receptacles with water spray.

6 Accidental release measures

**Personal precautions,
protective equipment and
emergency procedures**

Ensure adequate ventilation
Keep away from ignition sources.
Wear protective clothing.

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.

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.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
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:

Even a small sip can lead to life-threatening damage to the lungs. Keep rags filled with this liquid out of the reach of children.

Precautions for safe handling

Use only in well ventilated areas.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.

**General protective and
hygienic measures:**

Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
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:**

Keep respiratory protective device available.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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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:

Store receptacle in a well ventilated area.

Protect from frost.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage class:

VCI storage class (VCI = German Association of the Chemical Industry): 10

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:
34590-94-8 Dipropylene glycol monomethyl ether

WEL	Long-term value: 308 mg/m ³ , 50 ppm
	Sk

DNELs
34590-94-8 Dipropylene glycol monomethyl ether

Oral	DNEL Verbraucher (Langzeit - systemische Effekte)	36 mg/kgKG/Tag
Dermal	DNEL Verbraucher (Langzeit - systemische Effekte)	121 mg/cm ²
Inhalative	Worker (chronic - Systemic health effec)	308 mg/m ³
	DNEL Verbraucher (Lanzzeit - systemische Effekte)	37.2 mg/m ³

PNECs
34590-94-8 Dipropylene glycol monomethyl ether

PNEC sea water	1.9 mg/l
PNEC fresh water	19 mg/l
PNEC sediment (fresh water)	70.2 mg/kg
PNEC sediment (sea water)	7.02 mg/kg
PNEC soil	2.74 mg/kg
PNEC sewage treatment plant interrupted release	4,168 mg/l
	190 mg/l

Additional information:

The lists valid during the making were used as basis.

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Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
 Avoid contact with the eyes and skin.
 Immediately remove all soiled and contaminated clothing
 The usual precautionary measures are to be adhered to when handling chemicals.
 Do not eat, drink, smoke or sniff while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.
 See Section 7 for information on safe handling.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.
 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.
 Half mask with round thread connection EN 148-1 (screw-on filter) and combination filter A1 - P2 according to German DIN EN 14387.
 Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Protection of hands:

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 through 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

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Trade name: UV-Protection-Oil Extra
Body protection: Protective work clothing

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9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	According to product specification
Odour:	Mild
Odour threshold:	Not determined.

pH-value: Mixture is non-polar/aprotic.

Change in condition

Melting point/freezing point: Undetermined.
Initial boiling point and boiling range: > 180 °C

Flash point: ≥ 63 °C (DIN EN ISO 2719)

Flammability: Not applicable.

Auto-ignition temperature: Undetermined

Decomposition temperature: Not determined.

Ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower: 0.7 Vol %
Upper: 14.0 Vol %

Vapour pressure at 20 °C: 0.4 hPa

Density at 20 °C: 0.9-1.0 g/cm³ (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: Not determined.

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Solvent content:	
VOC (EC)	< 400 g/l (VOC-max. Cat A/e (2010) = 400 g/l)
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	Reacts with fabric soaked in the product (e.g. cleaning wool).
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	Carbon monoxide and carbon dioxide Nitrogen oxides (NO _x) Formation of toxic gases is possible during heating or in case of fire.
Additional information:	Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

11 Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:		
64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50 / 4h	>5 mg/l (rat)
34590-94-8 Dipropylene glycol monomethyl ether		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>19,020 mg/kg (rat) 13,000–14,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	1,667 mg/l (rat)
	LC50 / 72h	0.76 mg/l (selenastrum capricornutum)

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

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

Primary irritant effect:

Skin corrosion/irritation No irritant effect.
Based on available data, the classification criteria are not met.

Serious eye damage/irritation Irritating effect.

Respiratory or skin

sensitisation Sensitising effect by skin contact is possible by prolonged exposure.

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

12 Ecological information

Toxicity
Aquatic toxicity:
64742-48-9 aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %

EC50 / 48h	>1,000 mg/l (Daphnia magna)
IC50 / 72h	>1,000 mg/l (algae)
LC50 / 96h	>1,000 mg/l (fish)

34590-94-8 Dipropylene glycol monomethyl ether

EC50 / 48h	70.2 mg/l 1,919 mg/l (Daphnia magna)
LC50 / 96h	5.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
LC50 / 48h	10.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

127519-17-9 A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates

EC50 / 48h	3.2 mg/l (Daphnia magna) (24h EC 50 acute immobilisation test)
Bioconceived factor	<3 (Flow-through fish test)

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

EC50 / 48h	0.16 mg/l (Daphnia magna)
EC50/ 72h	0.022 mg/l (algae)

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to aquatic life with long lasting effects.

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Harmful to fish

Behaviour in sewage processing plants:
55406-53-6 3-Iodo-2-propynylbutylcarbamate

EC50/ 96h | 0.067 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

Additional ecological information:

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.
 Harmful to aquatic organisms

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.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents:

 Solvent naphtha
 Osmo Brush Cleaner and Thinner

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

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Environmental hazards:	
Marine pollutant:	No
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
Poisons Act

Regulated explosives precursors

None of the ingredients is listed.

Regulated poisons

None of the ingredients is listed.

Reportable explosives precursors

None of the ingredients is listed.

Reportable poisons

None of the ingredients is listed.

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.
 P262 Do not get in eyes, on skin, or on clothing.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P501 Dispose of contents/container in accordance with national regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I

None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations

GISBAU-Code

BSL20

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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

H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H330 Fatal if inhaled.
 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.
 H411 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)
 VOC: Volatile Organic Compounds (USA, EU)
 DNEL: Derived No-Effect Level (UK REACH)
 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
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Skin Sens. 1: Skin sensitisation – Category 1
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
 Asp. Tox. 1: Aspiration hazard – 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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
 ESIS : European chemical Substances Information System
 ECHA Portal
 Safety data sheets from raw material suppliers

Sources

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

Additions, Deletions, Revisions

Updated according to regulation (EU) 2020/878 amending regulation (EC) No:
1907/2006 (UK REACH)