

Date of issue 11/19/2025 Version number 10.0 Revision: 11/19/2025

1 Identification

Product identifier

Trade name: Natural Oil Woodstain Effect

Other means of identification

Article number: 1140; 1142; 1143

Application of the substance

/ the mixture Conjugated Oil Varnish

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Supplier Osmo Wood and Colour Canada Ltd.

420 Thompson Drive - Unit 2 N1T 2K8 Cambridge, ON

Canada

Tel:+1-844-OSMOCAN E-mail: info@osmo.ca

Manufacturer Osmo Holz und Color GmbH & Co. KG

Affhüppen Esch 12 D-48231 Warendorf

Germany

Information department: Product safety department

Tel.: +49 (0) 251 / 692 - 188 Fax: +49 (0) 251 / 692 - 462 e-mail: helmut.starp@osmo.de

Emergency telephone

number: 24h-Emergency Phone Number:

For Chemical Emergency, Spill; Leak; Fire Exposure or Accident Call Day or

Night within USA and Canada 1-800-424-9300

Outside USA and Canada 001-703-527-3887 (CCN 16475)

2 Hazard identification

Classification of the substance or mixture

Flammable liquids – Category 3 H226 Flammable liquid and vapour.

Sensitization - skin - Category 1 H317 May cause an allergic skin reaction.

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

Label elements Hazard pictograms

IS02 GHS07

Signal word Warning

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Hazard-determining

components of labeling: 3-lodo-2-propynylbutylcarbamateHazard statements H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

Precautionary statements P101 If medical advice is needed, have product container or label at

hand.

P102 Keep out of reach of children.

P202 Do not handle until all safety precautions have been read and

understood.

P210 Keep away from heat. No smoking.
 P233 Keep container tightly closed.
 P273 Avoid release to the environment.
 P280 Wear protective gloves / eye protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with national

regulations.

Information pertaining to particular dangers for man and environment:

Classification system:

NFPA ratings (scale 0 - 4) Health = 0

Fire = 2

Reactivity = 0

HMIS-ratings (scale 0 - 4) Health = 0

Fire = 2 Reactivity = 0

Other hazards CAUTION: Rags, steel wool or waste soaked with this product may

spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent

this.

Always wear a dust mask when sanding.

Observe the general safety regulations when handling chemicals.

3 Composition/Information on ingredients

Chemical characterization: Mixtures

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

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CAS: 64742-48-9	aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics	10-30% w/w
	< 2 %	
	Aspiration hazard – Category 1, H304; Flammable liquids – Category 4, H227	
CAS: 34590-94-8	Dipropylene glycol monomethyl ether	5-10% w/w
	Flammable liquids – Category 4, H227	
CAS: 7429-90-5	aluminium powder (stabilised)	0.5-≤1.5% w/\
	Flammable solids – Category 1, H228	
	3-lodo-2-propynylbutylcarbamate	≤0.1% w/w
	Acute Toxicity (Inhalation) - Category 2, H330; Specific target organ toxicity (repeated exposure) – Category 1, H372; Eye damage/irritation	
	Category 1, H318; ♠ Acute Toxicity (Oral) - Category 4, H302;	
	Sensitization - skin – Čategory 1, H317	

^{*} Actual concentration ranges are withheld as a trade secret.

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: Induce vomiting, only if affected person is fully conscious.

If swallowed, seek medical advice immediately and show this container or

label.

Do NOT induce vomiting.

Most important symptoms and effects, both acute and

delayed Headache Dizziness

ediate

Indication of any immediate medical attention and special

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

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5 Fire-fighting measures

Extinguishing media Suitable extinguishing

agents: CO2, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable

extinguishing agents: Water with full jet

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.

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 Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation Keep away from ignition sources

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.

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 collected material according to regulations.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Reference to other sections See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Precautions for safe handling Use only in well ventilated areas.

Keep away from heat and direct sunlight.

Keep receptacles tightly sealed. Prevent formation of aerosols.

Open and handle receptacle with care. Avoid contact with skin and eyes.

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 protection

against explosions and fires: Keep ignition sources away - Do not smoke.

Protect against electrostatic charges. Keep respiratory protective device available.

Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

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.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by

storerooms and receptacles: Store only in the original receptacle.

Store in a cool location.

Information about storage in

one common storage facility: Not required.

Further information about

storage conditions: Store receptacle in a well ventilated area.

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage class: TRGS 510 Storage class 3: Flammable liquids

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

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8 Exposure controls/ Personal protection

Control parameters

Components with limit values that require monitoring at the workplace:

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

EL (Canada) STEL: 150 ppm

TWA: 100 ppm

EV (Canada) STEL: 910 mg/m³, 150 ppm

TWA: 605 mg/m³, 100 ppm

PEL (USA) TWA: 600 mg/m³, 100 ppm

Skin

REL (USA) STEL: 900 mg/m³, 150 ppm

TWA: 600 mg/m³, 100 ppm

Skin

TLV (USA) TWA: 50 ppm

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

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.

Do not inhale gases / fumes / aerosols.

The usual precautionary measures for handling chemicals should be followed.

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.

Breathing equipment: 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 respiratory protective device that is

independent of circulating air.

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 repirator 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

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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

Recommended thickness of the material: $\geq 0.4 \ mm$

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, NBREye protection:Tightly sealed gogglesBody protection:Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Physical state Liquid

Color: According to product specification

Odor: Mild

Odor threshold:Not determined.Melting point/Melting range:Undetermined.Boiling point/Boiling range:> 180 °CFlammability:Flammable.

Explosion limits:

 Lower:
 0.6 Vol %

 Upper:
 7.0 Vol %

Flash point: 43-59 °C (DIN EN ISO 2719)

Auto igniting: 240 °C

Decomposition temperature: Not determined.

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

Viscosity:

Dynamic: Not determined.

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Solubility in / Miscibility with

Water:

Not miscible or difficult to mix.

Partition coefficient (n-octanol/water):Not determined.Vapor pressure:Not determined.

Vapor pressure:

Density at 20 °C:1 g/cm³ (DIN 51757)Relative densityNot determined.Particle characteristicsNot applicable.

Other information Appearance:

Form: Fluid

Important information on protection of health and

environment, and on safety.

Ignition temperature: Product is not selfigniting.

Danger of explosion: Not determined.

Solvent content:

VOC content: < 400 g/l (<3.33 lb/gl)

Environment Canada VOC Classification: 32 -

Conjugated Oil Varnish

Conjugated oil varnish for sealing wood with a film formation due to the polymerization of naturally occurring conjugated vegetable oil, modified with other natural or synthetic resins of which a minimum of 50% of the resin solids consist of conjugated oils, and that is supplied as

a single component product.

No decomposition if used and stored according to specifications.

Change in condition

Evaporation rate Not determined.

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition /

conditions to be avoided:

Possibility of hazardous

reactions Reacts with fabric soaked in the product (e.g. cleaning wool).

Reacts with acids, alkalis and oxidizing agents.

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.

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Hazardous decomposition

products: Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

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

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC	50 values th	at are relevant for classification:
ATE (A	cute Toxici	ty Estimate)
Oral	LD50	44,267-<101,450 mg/kg (rat)
CAS: 6	4742-48-9 a	liphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %

C7 (C1 C1)		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50 / 4h	>5 mg/l (rat)
040-045	00 04 0 Dim	and an anti-cal management but at land

CAS: 34	590-94-8 Dip	ropylene glycol monomethyl ether
Oral	LD50	>5,000 mg/kg (rat)

9,500 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)

CAS: 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

Oral	LD50	2,000 mg/kg (rat)
CAS: 5	5406-53-6 3-lc	odo-2-propynylbutylcarbamate
Oral	LD50	500 mg/kg (rat)
Derma	LD50	>2,000 mg/kg (rat)
Inhalat	ve LC50 / 4h	0.67 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)

Primary irritant effect:

LD50

Dermal

on the skin: No irritant effect.

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

on the eye: Irritating effect.

Sensitization: Sensitizing effect by skin contact is possible with prolonged exposure.

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

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Additional toxicological information:

Carcinogenic categories

IARC (Internation	nal Agency for Research on Cancer)	
CAS: 112926-00-8	Precipitated silica (Silica-Amorphous)	3
CAS: 13463-67-7	titanium dioxide - aerodynamic diameter >10 μm	2B
CAS: 67-63-0	propan-2-ol	3
NTD (National To	vicology Program)	<u> </u>

NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

Toxicity

Aquatic toxicit	y:
CAS: 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)
CAS: 34590-94	-8 Dipropylene glycol monomethyl ether
EC50 / 48h	70.2 mg/l
	1,919 mg/l (Daphnia magna)
EC50/ 72h	>969 mg/l (algae)
LC50 / 96h	>10,000 mg/l (aquatic vertebrates - in vivo)
	>1,000 mg/l (fish)
	5.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
LC50 / 48h	1,919 mg/l (daphnia)
	10.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
CAS: 127519-1	7-9 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)
BiokonzFaktor	<3 (Flow-through fish test)
CAS: 55406-53	-6 3-lodo-2-propynylbutylcarbamate
EC50 / 48h	0.16 mg/l (Daphnia magna)
EC50/ 72h	0.022 mg/l (algae)
Davaiatanaa an	d dogradability. No further relevant information available

Persistence and degradability No further relevant information available. **Bioaccumulative potential** No further relevant information available.

Mobility in soil No further relevant information available.

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Results of PBT and vPvB assessment

PBT: Not applicable.vPvB: Not applicable.

Other adverse effects

Remark: Harmful to aquatic life with long lasting effects.

Harmful to fish

Behavior in sewage processing plants:

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

EC50/ 96h 969 mg/l (algae)

CAS: 55406-53-6 3-lodo-2-propynylbutylcarbamate

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

Additional ecological information:

General notes: Water hazard class 2 (Self-assesment): hazardous for water

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

13 Disposal considerations

Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not allow

product to reach sewage system.

Disposal must be made according to official regulations.

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing

agent:

Solvent naphtha

Osmo Brush Cleaner and Thinner

14 Transport information

UN-Number

DOT/TDG, ADR, IMDG, IATA UN1263

UN proper shipping name

DOT/TDGPaintADR1263 PaintIMDG, IATAPAINT

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Transport hazard class(es)

DOT/TDG, IMDG, IATA

Class 3 Flammable liquids

Label 3

ADR

Class 3 (F1) Flammable liquids

Label 3

Packing group

DOT/TDG, ADR, IMDG, IATA

Environmental hazards:

Marine pollutant: No

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:

DOT/TDG

Quantity limitations On passenger aircraft/rail: 60 L

On cargo aircraft only: 220 L

ADR

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

IMDG

Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

Special precautions for user Warning: Flammable liquids

Hazard identification number (Kemler code): 30
EMS Number: F-E,S-E

Stowage Category A

UN 1263 PAINT, 3, III

15 Regulatory information

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Safety, health and

environmental regulations/ legislation specific for the

substance or mixture

No further relevant information available.

Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313	(Specific toxic	chemical listings).	:

CAS: 7429-90-5 aluminium powder (stabilised)
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CAS: 67-63-0 propan-2-ol

CAS: 55406-53-6 3-lodo-2-propynylbutylcarbamate

TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

Canadian substance listings:

Canadian Domestic Substances List (DSL)

All ingredients are listed.

Canadian Non-Domestic Substances List (NDSL)

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%)

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

CAS: 7429-90-5 | aluminium powder (stabilised)

GHS label elements The product is classified and labeled according to the Globally Harmonized

System (GHS).

Hazard pictograms

GHS02 GHS07

Signal word Warning

Hazard-determining

components of labeling: 3-lodo-2-propynylbutylcarbamateHazard statements H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

Precautionary statements P101 If medical advice is needed, have product container or label at

hand.

P102 Keep out of reach of children.

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P202 Do not handle until all safety precautions have been read and

understood.

P210 Keep away from heat. No smoking. P233 Keep container tightly closed. P273 Avoid release to the environment. P280 Wear protective gloves / eye protection. P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with national P501

regulations.

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 H227 Combustible liquid.

> H228 Flammable solid. 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.

Department issuing SDS: product safety department

Contact: Hr. Dr. Starp Date of previous version 12/13/2023

Version number of previous

version: 9.0

Date of preparation 11/19/2025

Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation 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)

NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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Sources ECHA Portal

Safety data sheets from raw material suppliers

ESIS: European chemical Substances Information System

* Data compared to the

previous version altered. Additions, deletions, revisions

- C/