

Safety Data Sheet

according to HPR, Schedule 1

Date of issue 11/19/2025

Version number 20.0

Revision: 11/19/2025

1 Identification

Product identifier**Trade name:****Osmo Natural Oil Woodstain****Other means of identification****Article number:**

700, 702, 703, 706, 707, 708, 710, 712, 727, 728, 729, 731, 732, 900, 903, 905, 906, 907 & mixed colour shades

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 4 H227 Combustible liquid.

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**

GHS07

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Signal word

Warning

Hazard-determining**components of labeling:****Hazard statements**

3-Iodo-2-propynylbutylcarbamate

H227 Combustible liquid.

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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (see on this label).

P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.

P403 Store in a well-ventilated place.

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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Dangerous components:		
CAS: 64742-48-9	aliphatic hydrocarbons, C10-C13 n-alkanes, i-alkanes, cyclics, aromatics < 2 %  Aspiration hazard – Category 1, H304; Flammable liquids – Category 4, H227	25-50% w/w *
CAS: 55406-53-6	3-Iodo-2-propynylbutylcarbamate  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 – Category 1, H317	≤0.1% w/w

* 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.
 Immediately rinse with water.
 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.

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.

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5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable
extinguishing agents:

Water with full jet

Special hazards arising from the substance or mixture

carbon dioxide (CO₂)

Carbon monoxide (CO)

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

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

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.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

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.
 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.
 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 respiratory protective device available.

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.
 Keep receptacle tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.

Storage class: 10

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

8 Exposure controls/ Personal protection

Control parameters

Components 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 that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures: Immediately remove all soiled and contaminated clothing.
 Keep away from foodstuffs, beverages and feed.

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Breathing equipment:

Avoid contact with the eyes and skin.
 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.
 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 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 of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).

**As protection from splashes
 gloves made of the following
 materials are suitable:**

Nitrile rubber, NBR

Eye protection:

Tightly sealed goggles

Body protection:

Protective work clothing

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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 °C
Flammability:	Not applicable.
Explosion limits:	
Lower:	0.6 Vol %
Upper:	7.0 Vol %
Flash point:	> 61 °C (DIN EN ISO 2719)
Auto igniting:	240 °C
Decomposition temperature:	Not determined.
pH-value:	Mixture is non-polar/aprotic.
Viscosity:	
Dynamic:	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Vapor pressure:	Not determined.
Density at 20 °C:	0.96-1.05 g/cm ³ (DIN 51757)
Relative density	Not determined.
Particle characteristics	Not 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: Product does not present an explosion hazard.

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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.

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:**

No decomposition if used and stored according to specifications.

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.

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:

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.

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11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

CAS: 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)

CAS: 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:

on the skin:

No irritant effect.

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

on the eye:

No irritating effect.

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

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.

Additional toxicological

information:

The product can cause inheritable damage.

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

Toxicity

Aquatic toxicity:

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)

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CAS: 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.**Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**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: 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 (Self-assessment): 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

14 Transport information

UN-Number**DOT/TDG, ADR, ADN, IMDG, IATA** Not applicable**UN proper shipping name****DOT/TDG, ADN, IMDG, IATA** Not applicable**ADR**

Not applicable

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Transport hazard class(es)	
DOT/TDG, ADR, ADN, IMDG, IATA Class	Not applicable
Packing group	
DOT/TDG, ADR, IMDG, IATA	Not applicable
Environmental hazards:	
Marine pollutant:	No
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
	Not applicable.
Special precautions for user	
	Not applicable.
UN "Model Regulation":	
	Not applicable

15 Regulatory information

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

No further relevant information available.

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

CAS: 55406-53-6 | 3-Iodo-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%)

None of the ingredients is listed.

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GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

GHS07

Signal word

Warning

**Hazard-determining
components of labeling:**

3-Iodo-2-propynylbutylcarbamate

Hazard statements

H227 Combustible liquid.

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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (see on this label).

P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.

P403 Store in a well-ventilated place.

P501 Dispose of contents/container in accordance with national 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.

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

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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

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