

Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/04/2017

Reviewed on 12/04/2017

1 Identification

1.1 Product identifier

Trade name: **410 Osmo UV-Protection-Oil, colorless**

Application of the substance / the mixture

Paint
Coating compound/ Surface coating/ paint

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Supplier:
Osmo Wood and Colour Canada Ltd.
5515 – 92 ST NW
Edmonton, Alberta T6E 3A4
Canada
Tel: 001 (877) 746 6583
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
Phone: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

1.4 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 (WISAG FMO cargo Services GmbH & Co.KG)

2 Hazard identification

2.1 Classification of the substance or mixture

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

Flam. Liq. 4 H227 Combustible liquid.

2.2 Label elements

Classification and labeling according to the Globally Harmonized System (GHS).

Classification and labeling according to the Globally Harmonized System (GHS).

Hazard pictograms

Void

Signal word

Warning

Hazard statements

H227 Combustible liquid.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

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- P102 Keep out of reach of children.
 P210 Keep away from heat. - No smoking.
 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.
 P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
 P403 Store in a well-ventilated place.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: Observe the general safety regulations when handling chemicals.
 Always wear a dust mask when sanding.

Hazard description:

WHMIS-symbols: B3 - Combustible liquid



Information pertaining to particular dangers for man and environment:

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

Classification system:

NFPA ratings (scale 0 - 4) Health = 0
 Fire = 2
 Reactivity = 0

HMIS-ratings (scale 0 - 4) Health = 0
 Fire = 2
 Reactivity = 0


2.3 Other hazards Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

3 Composition/Information on ingredients

3.2 Mixtures

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

Dangerous components:

64742-48-9	aliphatic hydrocarbons, C10-C13	 Asp. Tox. 1, H304; Flam. Liq. 4, H227	10-30%
34590-94-8	(2-methoxymethylethoxy)propanol	Flam. Liq. 4, H227	7-13%

4 First aid measures

4.1 Description of first aid measures

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

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After inhalation:	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
After skin contact:	In case of unconsciousness place patient stably in side position for transportation. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
After eye contact:	Rinse opened eye for several minutes under running water. Then 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.
4.2 Most important symptoms and effects, both acute and delayed	Headache Dizziness
4.3 Indication of any immediate medical attention and special treatment needed	No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing agents:	CO ₂ , 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
5.2 Special hazards arising from the substance or mixture	Formation of toxic gases is possible during heating or in case of fire.
5.3 Advice for firefighters	
Protective equipment:	Mouth respiratory protective device.
Additional information	Cool endangered receptacles with water spray. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation Keep away from ignition sources
6.2 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.
6.3 Methods and material for containment and cleaning up:	Warm water and cleansing agent Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Ensure adequate ventilation.

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

Do not eat, drink, smoke or sniff while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.
 Immediately remove all soiled and contaminated clothing.
 Keep away from foodstuffs, beverages and feed.
 Avoid contact with the eyes and skin.
 Do not inhale gases / fumes / aerosols.

Breathing equipment:

Use suitable respiratory protective device only when aerosol or mist is formed.
 Not necessary if room is well-ventilated.
 Short term filter device:

Filter A/P2

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

Nitrile rubber, NBR

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 of chemicals mentioned below 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:

If risk of splashing:

Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses with side protection)

Body protection:

Protective work clothing

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Appearance:****Form:** Fluid**Color:** According to product specification**Odor:** Mild

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Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 180 °C
Flash point:	≥ 65 °C (DIN ISO EN 2719)
Ignition temperature:	240 °C
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Explosion limits:	
Lower:	0,6 Vol %
Upper:	7,0 Vol %
Density at 20 °C:	0,95-0,97 g/cm ³ (DIN 51757)
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C:	60-70 s (DIN 53211/4) >21 mm ² /s (40°C)
9.2 Other information	No further relevant information available.

10 Stability and reactivity

10.1 Reactivity	No further relevant information available.
10.2 Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous reactions	Reacts with fabric soaked in the product (e.g. cleaning wool).
10.4 Conditions to avoid	No further relevant information available.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	Formation of toxic gases is possible during heating or in case of fire. Carbon monoxide and carbon dioxide Nitrogen oxides (NO _x)

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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

11.1 Information on toxicological effects

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

LD/LC50 values that are relevant for classification:**64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)

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

Inhalative	LC50 / 4h	>5 mg/l (rat)
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Primary irritant effect:**on the skin:**

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

on the eye:

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

Sensitization:

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

Additional toxicological information:**Carcinogenic categories****IARC (International Agency for Research on Cancer)**

7631-86-9	silicon dioxide, chemically prepared	3
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NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

12.1 Toxicity**Aquatic toxicity:****64742-48-9 aliphatic hydrocarbons, C10-C13**

EC50 / 48h	> 1000 mg/l (daphnia) (OECD 202)
EC50/ 72h	> 1000 mg/l (algae) (OECD 201)
LC50 / 96h	> 1000 mg/l (fish) (OECD 203)

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Biolog. Abbaubarkeit	(leicht abbaubar)
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 mg/l (daphnia) (OECD-Richtlinie 202, Teil 1)
Biokonz.-Faktor	<3 (OECD-Richtlinie 305 C)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to aquatic life with long lasting effects.

Additional ecological information:

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Solvent naphtha

14 Transport information

14.1 UN-Number DOT, TDG, ADN, IMDG, IATA	Void
14.2 UN proper shipping name DOT, TDG, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) DOT, TDG, ADN, IMDG, IATA Class	Void
14.4 Packing group DOT, TDG, IMDG, IATA	Void

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14.5 Environmental hazards:

Marine pollutant:	No
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14.6 Special precautions for user	Not applicable.
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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
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UN "Model Regulation":	Void
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15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Sara
Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Canadian substance listings:**Canadian Domestic Substances List (DSL)**

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%)

34590-94-8 | (2-methoxymethylethoxy)propanol

15.2 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. H304 May be fatal if swallowed and enters airways.
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Department issuing SDS:	product safety department
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Contact:	Hr. Dr. Starp
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Date of preparation / last revision	12/04/2017 / 5
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Abbreviations and acronyms:	IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation
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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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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

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1 Identification

1.1 Product identifier

Trade name: **420 Osmo UV-Protection-Oil Extra, colorless**

Application of the substance / the mixture Coating compound/ Surface coating/ paint
Paint

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Supplier:
Osmo Wood and Colour Canada Ltd.
5515 – 92 ST NW
Edmonton, Alberta T6E 3A4
Canada
Tel: 001 (877) 746 6583
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
Phone: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

1.4 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 (WISAG FMO cargo Services GmbH & Co.KG)

2 Hazard identification

2.1 Classification of the substance or mixture

Classification according to Hazardous Products Regulations

Flam. Liq. 4 H227 Combustible liquid.

Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Hazardous

Products Regulations

The product is classified and labeled according to the CLP regulation.

Hazard pictograms



GHS07

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Signal word

Warning

Hazard-determining components of labeling:

propiconazole

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. - No smoking.

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves / eye protection.

P302+P352 If on skin: Wash with plenty of water.

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

P403 Store in a well-ventilated place.

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

Additional information:

Observe the general safety regulations when handling chemicals.
Always wear a dust mask when sanding.

Hazard description:

WHMIS-symbols:

B3 - Combustible liquid



Information pertaining to particular dangers for man and environment:

Warning:

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

Classification system:

NFPA ratings (scale 0 - 4)

Health = 0

Fire = 2

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 0

Fire = 2

Reactivity = 0

2.3 Other hazards

Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.


3 Composition/Information on ingredients

3.2 Mixtures

Description:

Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

64742-48-9	aliphatic hydrocarbons, C10-C13	 Asp. Tox. 1, H304; Flam. Liq. 4, H227	25-30%
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34590-94-8	(2-methoxymethylethoxy)propanol	Flam. Liq. 4, H227	10-13%
60207-90-1	propiconazole	⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	0.1-<1%

4 First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:

In case of unconsciousness place patient stably in side position for transportation.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Then 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.

4.2 Most important symptoms and effects, both acute and delayed

Headache

Dizziness

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

5.1 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

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Protective equipment:

Mouth respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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6 Accidental release measures

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

Ensure adequate ventilation
 Keep away from ignition sources

6.2 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.

**6.3 Methods and material for
 containment and cleaning up:**

Warm water and cleansing agent
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
 Ensure adequate ventilation.

6.4 Reference to other sections

See Section 13 for disposal information.

7 Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.
 Use only in well ventilated areas.
 Keep away from heat and direct sunlight.
 Prevent formation of aerosols.

**Information about protection
 against explosions and fires:**

Keep ignition sources away - Do not smoke.

7.2 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:**

Do not store together with alkalis (caustic solutions).
 Do not store together with oxidizing and acidic materials.

**Further information about
 storage conditions:**

Store receptacle in a well ventilated area.
 Protect from frost.
 Keep receptacle tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.

Storage class:

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7.3 Specific end use(s)

No further relevant information available.

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8 Exposure controls/ Personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

34590-94-8 (2-methoxymethylethoxy)propanol

EL	Short-term value: 150 ppm Long-term value: 100 ppm Skin
EV	Short-term value: 910 mg/m ³ , 150 ppm Long-term value: 605 mg/m ³ , 100 ppm

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

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.
 Immediately remove all soiled and contaminated clothing.
 Keep away from foodstuffs, beverages and feed.
 Avoid contact with the eyes and skin.
 Do not inhale gases / fumes / aerosols.

Breathing equipment:

Use suitable respiratory protective device only when aerosol or mist is formed.
 Not necessary if room is well-ventilated.
 Short term filter device:

Filter A/P2

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

Nitrile rubber, NBR

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 of chemicals mentioned below 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

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Eye protection: If risk of splashing:
Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses with side protection)

Body protection: Protective work clothing

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid

Color: According to product specification

Odor: Mild

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: > 180 °C

Flash point: ≥ 65 °C (DIN EN ISO 2719)

Ignition temperature: 240 °C

Auto igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits:

Lower: 0,6 Vol %

Upper: 7,0 Vol %

Density at 20 °C: 0,95 g/cm³ (DIN 51757)

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Viscosity:

Dynamic: Not determined.

Kinematic at 40 °C: > 21 mm²/s

9.2 Other information No further relevant information available.

10 Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

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10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire.
 Carbon monoxide and carbon dioxide
 Nitrogen oxides (NO_x)

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

11.1 Information on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:
64742-48-9 aliphatic hydrocarbons, C10-C13

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)

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

Inhalative	LC50 / 4h	>5 mg/l (rat)
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60207-90-1 propiconazole

Oral	LD50	1517 mg/kg (rat) (OECD- Prüfrichtlinie 401)
Dermal	LD50	> 4000 mg/kg (rat)
Inhalative	LC50 / 4h	5.8 mg/l (rat) (403 Acute Inhalation Toxicity)

Primary irritant effect:
on the skin:

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

on the eye:

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

Sensitization:

May cause an allergic skin reaction.

Additional toxicological information:
Carcinogenic categories
IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

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NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information**12.1 Toxicity****Aquatic toxicity:****64742-48-9 aliphatic hydrocarbons, C10-C13**

EC50 / 48h	> 1000 mg/l (daphnia) (OECD 202)
EC50/ 72h	> 1000 mg/l (algae) (OECD 201)
LC50 / 96h	> 1000 mg/l (fish) (OECD 203)
Biolog. Abbaubarkeit	(leicht abbaubar)

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 mg/l (daphnia) (OECD-Richtlinie 202, Teil 1)
Biokonz.-Faktor	<3 (OECD-Richtlinie 305 C)

60207-90-1 propiconazole

EC50 / 48h	10.2 mg/l (daphnia) (202 Daphnia sp. acute Immobilization)
EC50/ 72h	9 mg/l (algae) (201 Alga Growth, Inhibition Test (Biomasse))
LC50 / 96h	4.3 mg/l (fish) (203 Fish Acute Toxicity)
LC50 / 48h	10.2 mg/l (fish)

12.2 Persistence and degradability No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**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.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**13 Disposal considerations****13.1 Waste treatment methods**

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

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Safety Data Sheet
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Reviewed on 11/15/2017

Trade name: 420 Osmo UV-Protection-Oil Extra, colorless

Recommended cleansing agent: Solvent naphtha

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14 Transport information

14.1 UN-Number DOT, TDG, ADN, IMDG, IATA	Void
14.2 UN proper shipping name DOT, TDG, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) DOT, TDG, ADN, IMDG, IATA Class	Void
14.4 Packing group DOT, TDG, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	Void

15 Regulatory information

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

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

60207-90-1 | propiconazole

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Canadian substance listings:

Canadian Domestic Substances List (DSL)

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

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Printing date 11/15/2017

Reviewed on 11/15/2017

Trade name: 420 Osmo UV-Protection-Oil Extra, colorless

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<i>Canadian Ingredient Disclosure list (limit 1%)</i>	
34590-94-8	(2-methoxymethylethoxy)propanol

15.2 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.

Department issuing SDS:

product safety department

Contact:

Hr. Dr. Starp

Date of preparation / last revision

11/15/2017 / 5

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 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)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 WHMIS: Workplace Hazardous Materials Information System (Canada)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative

Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/05/2017

Reviewed on 12/05/2017

1 Identification

1.1 Product identifier

Trade name:

UV-Protection-Oil Tints

Article number:

424 Spruce, 425 Oak, 426 Larch, 427 Douglas Fir, 428 Cedar, 429 Natural

Application of the substance / the mixture

Paint
Coating compound/ Surface coating/ paint

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Supplier:
Osmo Wood and Colour Canada Ltd.
5515 – 92 ST NW
Edmonton, Alberta T6E 3A4
Canada
Tel: 001 (877) 746 6583
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
Phone: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

1.4 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 (WISAG FMO cargo Services GmbH & Co.KG)

2 Hazard identification

2.1 Classification of the substance or mixture

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

Flam. Liq. 4 H227 Combustible liquid.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Carc. 2 H351 Suspected of causing cancer.

2.2 Label elements

Classification and labeling according to the Globally Harmonized System (GHS).

Classification and labeling according to the Globally Harmonized System (GHS).

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Trade name: UV-Protection-Oil Tints

(Contd. of page 1)

Hazard pictograms

GHS07 GHS08

Signal word

Warning

Hazard-determining components of labeling:

propiconazole

Hazard statements

H227 Combustible liquid.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

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.

P261 Avoid breathing mist/vapours/spray.

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

P280 Wear protective gloves.

P302+P352 If on skin: Wash with plenty of water.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P321 Specific treatment (see on this label).

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 for extinction: CO₂, powder or water spray.

P403 Store in a well-ventilated place.

P405 Store locked up.

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

Additional information:

Observe the general safety regulations when handling chemicals.

Always wear a dust mask when sanding.

Hazard description:**WHMIS-symbols:**

B3 - Combustible liquid

**Classification system:****NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 2

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 0

Fire = 2

Reactivity = 0

2.3 Other hazards

Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

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Safety Data Sheet

according to HPR, Schedule 1

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Reviewed on 12/05/2017

Trade name: UV-Protection-Oil Tints


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3 Composition/Information on ingredients

3.2 Mixtures

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

Dangerous components:

64742-48-9	aliphatic hydrocarbons, C10-C13	 Asp. Tox. 1, H304; Flam. Liq. 4, H227	10-30%
34590-94-8	(2-methoxymethylethoxy)propanol	Flam. Liq. 4, H227	7-13%
13463-67-7	titanium dioxide	 Carc. 2, H351	0-≤1%
60207-90-1	propiconazole	 Acute Tox. 4, H302; Skin Sens. 1, H317	≤1%

Additional information: The concentration of the above-mentioned substances varies depending on the color shade

4 First aid measures

4.1 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.

After skin contact: Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. Then 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.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Dizziness

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

5.1 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

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Protective equipment: No special measures required.

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Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/05/2017

Reviewed on 12/05/2017

Trade name: UV-Protection-Oil Tints

(Contd. of page 3)

Additional information

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

6 Accidental release measures

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

Ensure adequate ventilation
 Keep away from ignition sources

6.2 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.

**6.3 Methods and material for
 containment and cleaning up:**

Warm water and cleansing agent
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

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.

7 Handling and storage

7.1 Precautions for safe handling Keep receptacles tightly sealed.
 Use only in well ventilated areas.

**Information about protection
 against explosions and fires:**

No special measures required.

7.2 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.

Storage class:

10

7.3 Specific end use(s)

No further relevant information available.

8 Exposure controls/ Personal protection

**Additional information about
 design of technical systems:**

No further data; see item 7.

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Trade name: UV-Protection-Oil Tints

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8.1 Control parameters**Components with limit values that require monitoring at the workplace:****34590-94-8 (2-methoxymethylethoxy)propanol**

EL	Short-term value: 150 ppm Long-term value: 100 ppm Skin
EV	Short-term value: 910 mg/m ³ , 150 ppm Long-term value: 605 mg/m ³ , 100 ppm

Additional information: The lists that were valid during the creation were used as basis.**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.
Do not carry product impregnated cleaning cloths in trouser pockets.
Avoid contact with the eyes and skin.

Breathing equipment:

Use suitable respiratory protective device only when aerosol or mist is formed.
Not necessary if room is well-ventilated.
Short term filter device:
Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 ° C)).

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 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

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

Nitrile rubber, NBR

Eye protection:

Goggles recommended during refilling.

Body protection:

Protective work clothing

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 according to HPR, Schedule 1

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Reviewed on 12/05/2017

Trade name: UV-Protection-Oil Tints

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9 Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Fluid
Color:	According to product specification
Odor:	Mild
Odor threshold:	Not determined.

pH-value: Not determined.**Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 180 °C

Flash point: > 61 °C (DIN 53213)**Flammability (solid, gaseous):** Not applicable.**Ignition temperature:** Undetermined**Decomposition temperature:** Not determined.**Auto igniting:** Product is not selfigniting.**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.**Explosion limits:**

Lower:	0,7 Vol %
Upper:	14,0 Vol %

Vapor 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:** Not miscible or difficult to mix.**Partition coefficient (n-octanol/water):** Not determined.**Viscosity:**

Dynamic:	Not determined.
Kinematic at 20 °C:	60-80 s (DIN 53211/4 m)

9.2 Other information No further relevant information available.

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Safety Data Sheet

according to HPR, Schedule 1

Printing date 12/05/2017

Reviewed on 12/05/2017

Trade name: UV-Protection-Oil Tints

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10 Stability and reactivity

10.1 Reactivity	No further relevant information available.
10.2 Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous reactions	Reacts with fabric soaked in the product (e.g. cleaning wool).
10.4 Conditions to avoid	No further relevant information available.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	Carbon monoxide and carbon dioxide Nitrogen oxides (NO _x)

11 Toxicological information**11.1 Information on toxicological effects****Acute toxicity:** Based on available data, the classification criteria are not met.**LD/LC50 values that are relevant for classification:****64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	21 mg/l (rat) (OECD 403)

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

Inhalative	LC50 / 4h	>5 mg/l (rat)
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Primary irritant effect:**on the skin:** At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.**on the eye:** Based on available data, the classification criteria are not met.**Sensitization:** May cause an allergic skin reaction.**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer)**

7631-86-9	silicon dioxide, chemically prepared	3
112926-00-8	Precipitated silica (Silica-Amorphous)	3
1333-86-4	Carbon black	2B

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 according to HPR, Schedule 1

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Reviewed on 12/05/2017

Trade name: UV-Protection-Oil Tints

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NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information**12.1 Toxicity****Aquatic toxicity:**

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 mg/l (daphnia) (OECD-Richtlinie 202, Teil 1)

Biokonz.-Faktor <3 (OECD-Richtlinie 305 C)

60207-90-1 propiconazole

EC50 / 48h 10.2 mg/l (daphnia) (202 Daphnia sp. acute Immobilization)

EC50/ 72h 9 mg/l (algae) (201 Alga Growth, Inhibition Test (Biomasse))

LC50 / 96h 4.3 mg/l (fish) (203 Fish Acute Toxicity)

LC50 / 48h 10.2 mg/l (fish)

12.2 Persistence and degradability No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Ecotoxicological effects:****Remark:** Harmful to fish**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

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**13 Disposal considerations****13.1 Waste treatment methods**

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

(Contd. on page 9)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 12/05/2017

Reviewed on 12/05/2017

Trade name: UV-Protection-Oil Tints

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14 Transport information

14.1 UN-Number <i>DOT, TDG, ADN, IMDG, IATA</i>	Void
14.2 UN proper shipping name <i>DOT, TDG, ADN, IMDG, IATA</i>	Void
14.3 Transport hazard class(es) <i>DOT, TDG, ADN, IMDG, IATA</i> Class	Void
14.4 Packing group <i>DOT, TDG, IMDG, IATA</i>	Void
14.5 Environmental hazards: <i>Marine pollutant:</i>	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	Void

15 Regulatory information

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

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Canadian substance listings:**Canadian Domestic Substances List (DSL)**

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%)

34590-94-8 (2-methoxymethylethoxy)propanol

7631-86-9 silicon dioxide, chemically prepared

(Contd. on page 10)

Safety Data Sheet
 according to HPR, Schedule 1

Printing date 12/05/2017

Reviewed on 12/05/2017

Trade name: UV-Protection-Oil Tints

(Contd. of page 9)

15.2 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.
 H351 Suspected of causing cancer.

Department issuing SDS: product safety department

Contact: Hr. Dr. Starp

Date of preparation / last revision 12/05/2017 / -

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 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)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 WHMIS: Workplace Hazardous Materials Information System (Canada)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative