

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier:

Product name: Belinka Oil decking

Code: 465306

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

Oil for the protection and maintenance of exterior wooden surfaces

1.3 Details of the supplier of the safety data sheet:

belinka belles, d.o.o.

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Info MSDS: marta.podobnik@belinka.si

1.4 Emergency telephone number: National Chemical Emergency Centre.

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture: Hazardous to the aquatic environment - Chronic 3, H412.

2.2. Label elements:

Pictogram: -

Hazard phrases:

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; mixture of benzotriazol; 2-butanone oxime. May produce an allergic reaction.

Precautionary statements:

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

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P501 Dispose of contents/container to authorized disposal organisation.

2.3. Other hazards:

Oil soaked cloths and other porous working accessories (foam rollers, sponges, paper) must soaked in water or burnt immediately after use, otherwise spontaneous combustion may occur.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: -

3.2. Mixtures:

Hazardous Components:

Chemical Name	Concentration [weight %]	CAS EINECS EU INDEX REACH reg.no.	Classification (REGULATION (EC) No. 1272/2008) Notes
hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics	10-19,99	- 918-481-9 - 01-2119457273-39	Asp.Tox.1; H304
2-ethylhexanoic acid, zirconium salt	1,0-2,99	22464-99-9 245-018-1	Repr. 2; H361d

		- 01-2119979088-21	
reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0,5-0,99	1065336-91-5 915-687-0 - 01-2119491304-40	Aquatic Chronic 1; H410 Aquatic. Acute 1; H400 Skin Sens. 1; H317
mixture of benzotriazol	0,5-0,99	104810-48-2 400-830-7 607-176-00-3 01-0000015075-76	Aquatic Chronic 2; H411 Skin Sens. 1; H317
2-butanone oxime	0,5-0,99	96-29-7 202-496-6 616-014-00-0 01-2119539477-28	Carc. 2; H351 Skin Sens. 1; H317 Eye Dam. 1; H318 Acute Tox. 4; H312

4. FIRST AID MEASURES

4.1. Description of first aid measures:

Inhalation:	Remove patient to the fresh air.
Skin Contact:	Remove contaminated clothing. Wash off with plenty of soap and water. Do not use organic solvent.
Eye Contact:	Rinse eyes thoroughly with plenty of water, holding the eyelids apart for at least 10 minutes.
Ingestion:	Do not induce vomiting. Do not eat.

4.2. Most important symptoms and effects, both acute and delayed: See section 11.

4.3. Indication of any immediate medical attention and special treatment needed: No data available.

5. FIRE FIGHTING MEASURES

- 5.1. Extinguishing media:** Foam, water spray, dry chemical powder, carbon dioxide. Do not discharge extinguishing waters into the aquatic environment. Do not use water in a jet.
- 5.2. Special hazards arising from the substance or mixture:** The vapour is heavier than air, spreads along the ground and distant ignition is possible. Hazard combustion gases: CO, CO₂, NO_x, toxic and noxious fumes.
- 5.3. Advice for firefighters:** Water may be used to cool closed containers to prevent pressure build-up. Wear full protective clothing and self-containing breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures:** Avoid contact with skin and eyes. Keep unnecessary people away. Remove all possible sources of ignition in the surrounding area.
- 6.2. Environmental precautions:** Prevent contamination of soil, drains and surface water. Observe all relevant local and international regulations.
- 6.3. Methods and material for containment and cleaning up:** Absorb spillages in sand, earth or any suitable absorbent material. Transfer to a labelled, sealable container for safe disposal.
- 6.4. Reference to other sections:** See sections 8 and 13 for additional information.

7. HANDLING AND STORAGE:

7.1. Precautions for safe handling: Avoid breathing of or contact with skin, eyes and clothing. Use only in well ventilated areas. Do not eat, drink or smoke at the workplace. Wash thoroughly after handling.
Remove ignition sources. Do not smoke. Provide good ventilation. Avoid opening drums in unventilated areas to avoid concentrated vapours.

7.2. Conditions for safe storage, including any incompatibilities: Keep away from food and drink. Store in the original container tightly closed in a cool and well ventilated place. Keep away from heat and source of ignition.

7.3. Specific end use(s): See 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Data on components:

Chemical Name	TLV (mg/m ³)	TLV (ml/m ³ , PPM)	STL	Note
hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics	1000	200	4	

Biological limit values for components:

Chemical Name	Characteristic indication Biological sample Sampling time Biological limit values
2-butanone oxime	2-butanone oxime urine after working shift 4.08 mol/mol creatinine*

DNEL = Derived No Effect Level

Component Data:

Chemical Name	Population Exposure Effects Values (units)
hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics	Workers Longterm inhalational Systemic effects 1500 mg/m ³ Workers Longterm dermal Systemic effects 300 mg/kg/bw/day Consumers Longterm inhalational Systemic effects 900 mg/m ³ Consumers Longterm dermal Systemic effects 300 mg/kg/bw/day Consumers Longterm oral Systemic effects 300 mg/kg/bw/day
2-ethylhexanoic acid, zirconium salt	Workers Longterm inhalational Systemic effects 32 mg/m ³ Workers Longterm dermal Systemic effects 6.49 mg/kg/bw/day Consumers Longterm inhalational Systemic effects 8 mg/m ³ Consumers Longterm dermal Systemic effects 3.25 mg/kg/bw/day Consumers Longterm oral Systemic effects 2.5 mg/kg/bw/day
reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Workers Longterm inhalational Systemic effects 2.53 mg/m ³ Workers Shortterm dermal Systemic effects 2.5 mg/kg Workers Shortterm inhalational Systemic effects 2.35 mg/m ³ Workers Longterm dermal Systemic effects 2.5 mg/kg Consumers Shortterm dermal Systemic effects 1.25 mg/kg Consumers Shortterm inhalational Systemic effects 0.58 mg/m ³ Consumers Longterm inhalational Systemic effects 0.58 mg/m ³ Consumers Longterm dermal Systemic effects 1.25 mg/kg Consumers Shortterm oral Systemic effects 1.25 mg/kg
2-butanone oxime	Workers Longterm inhalational Systemic effects 9 mg/m ³ Workers Longterm inhalational Local effects 3.33 mg/m ³ Workers Longterm dermal Systemic effects 1.3 mg/kg/bw/day Workers Shortterm dermal Systemic effects 2.5 mg/kg/bw/day

	Consumers Longterm inhalational Systemic effects 2.7 mg/m ³ Consumers Longterm inhalational Local effects 2 mg/m ³ Consumers Longterm dermal Systemic effects 0.78 mg/kg/bw/day Consumers Shortterm dermal Systemic effects 1.5 mg/kg/bw/day
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PNEC = Predicted No Effect Concentration

Component Data:

Chemical Name	Media detail Values
2-ethylhexanoic acid, zirconium salt	Fresh water = 0.36 mg/l intermittent releases = 0.493 mg/l Sea water = 0.036 mg/l Cleaning device = 71.7 mg/l Sediment in fresh water = 6.37 mg/kg dry weight Sediment in sea water = 0.637 mg/kg dry weight Earth = 1.06 mg/kg dry weight
reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Fresh water = 0.002 mg/l Sea water = 0 mg/l intermittent releases = 0.009 mg/l Sediment in fresh water = 1.05 mg/kg Sediment in sea water = 0.11 mg/kg Earth = 0.21 mg/kg Cleaning device = 1 mg/l
2-butanone oxime	Fresh water = 0.256 mg/l intermittent releases = 0.118 mg/l Cleaning device = 177 mg/l

8.2. Exposure controls:

Higiene measures: Remove and wash contaminated clothing before re-use. Avoid prolonged or repeated contact with skin. Wash hands with soap and water. When using, do not eat, drink or smoke.

Respiratory protection: Adequate ventilation or respiratory protection.

Hand protection: Protective gloves (PVC, neopren).
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection: Protective work clothing.

Eye protection: If there is a possibility of splashing use safety glasses with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Liquid
Odour:	Characteristic on organic solvent
Odour threshold:	No data
pH:	No data
Melting point/freezing point:	No data
Initial boiling point and boiling range:	180-220 °C
Flash point:	>60 °C
Evaporation rate:	No data
Flammability (solid, gas):	No data
Vapour pressure:	No data

Vapour density:	No data
Relative density:	0,97-1,10 ISO 2811
Solubility(ies):	Not miscible
Partition coefficient: n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	120 - 190 s ISO 2431 4 mm 23 °C
Kinematic viscosity:	> 21 mm ² /s pri 40 °C
Explosive properties:	Not explosive
Oxidising properties:	Not oxidising.

9.2. Other information: No data.

10. STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical stability: Stable under normal conditions of use.

10.3. Possibility of hazardous reactions: The presence of open flame or hazardous materials. Avoid contact of product with heat, sparks, flames and other ignition sources.

10.4. Conditions to avoid: High temperatures.

10.5. Incompatible materials: Strong oxidising agents.

10.6. Hazardous decomposition products: Not - under normal conditions of storage and use. In case of fire may result in a hazardous gases and vapours.

Oil soaked cloths and other porous working accessories (foam rollers, sponges, paper) must soaked in water or burnt immediately after use, otherwise spontaneous combustion may occur.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute oral toxicity:

Data for ingredients:

LC50, 2-butanone oxime (inhal, rat): 20 mg/l/4h

LD50, 2-butanone oxime (oral, rat): 930 mg/kg

LD50, 2-butanone oxime (dermal, rabbit): >2000 mg/kg

LD50, Hydrocarbons (oral, rat): > 5000 mg/kg

LD50, Hydrocarbons (dermal, rabbit): > 3160 mg/kg

Skin corrosion/irritation: May produce an allergic reaction.

Serious eye damage/irritation: No data available.

Respiratory or skin sensitisation: No data available.

Germ cell mutagenicity: There is no information about such reactions.

Carcinogenicity: There is no information about such reactions.

Reproductive toxicity: There is no information about such reactions.

STOT-single exposure: There is no information about such reactions.

STOT-repeated exposure: Repeated exposure may cause skin dryness or cracking.

Material Safety Data Sheet

Date of printing: 20.03.2019

Date: 28.02.2019

Version: 01

Product name:

Belinka Oil decking

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12. ECOLOGICAL INFORMATION

12.1. Toxicity: LC50, Hydrocarbons (96 h, fish): > 1000 mg/l
 LC50, Hydrocarbons (daphnia magna): > 1000 mg/l

12.2. Persistence and degradability: No data available.

12.3. Bioaccumulative potential: No data available.

12.4. Mobility in soil: No data available.

12.5. Results of PBT and vPvB assessment: No data available.

12.6. Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

All disposal practices must be in accordance with local, regional, national and international regulations.
 Dispose of packaging or containers in accordance with local, regional, national and international regulations.

14. TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-
14.6. Special precautions for users	-	-	-
14.7. Transport in bulk according to Annex II of Marpol 73/78 and the IBC code	-	-	-

15. REGULATORY INFORMATION

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

Regulation (ES) 1907/2006 (REACH)
 Regulation (ES) 1272/2008 (CLP)
 Regulation (ES) 790/2009 (I Atp. CLP)
 Regulation (ES) 453/2010

15.2. Chemical safety assessment: No chemical safety assessment has been carried out.

16. OTHER INFORMATION

This Information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

Changing: point 2, 8.

Full text of the H-phrases given in Section 2:

- H351 - Suspected of causing cancer.
- H318 - Causes serious eye damage.
- H317 - May cause an allergic skin reaction.
- H312 - Harmful in contact with skin.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H319 - Causes serious eye irritation.
- H302 - Harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H361d - Suspected of damaging the unborn child.
- H413 - May cause long lasting harmful effects to aquatic life.

Sources of key data: Safety data sheet of ingredients available through the manufacturer.