

**SAFETY DATA SHEET**

Date: 01.02.2023.

According to Regulation (EC) No. 1907/2006 (REACH)

Version: 1

Guardian soap

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

1.1. Product name:	Guardian soap
Product identifier	/
1.2. Relevant identified uses of the substance or mixture and uses advised against	Product for cleaning oiled or varnished wooden surfaces. No uses advised against identified.
1.3. Details of the supplier of the safety data sheet:	EkoLak d.o.o.
Adress:	Vučić bb, 34210 Rača Serbia
Telephone:	+381 34 355 339
E-mail:	info@ekolak.rs
E-mail for sds:	milica.pavkov@deltapak.rs
1.4. Emergency telephone number:	+ 381 11 3608 440

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 as amended:

Based on available data this mixture does not meet the classification criteria.

2.2 Label Elements**Pictogram:** No hazard symbol required.**Signal words:** No signal word.**Hazard Statements:**

PHYSICAL HAZARDS: Not classified as a physical hazard under GHS criteria.

HEALTH HAZARDS: Not classified as a health hazard under GHS criteria.

ENVIRONMENTAL HAZARDS: Not classified as an environmental hazard under GHS criteria.

Precautionary Statements:

No precautionary phrases.

EUH210: Safety data sheet available on request

Contains: >30% nonionic surfactants, D-limonene, D,L-linalool, linalyl acetate, D-carvone, cital.

2.3 Other hazards:

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By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control. This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients**3.1. Substances**

No data available.

3.2 Mixtures

Chemical name	CAS no.	EC no.	Identifier	Classification	Concentration %
PEG-7 Glyceryl cocoate	68201-46-7	614-376-4		Not classified	<60
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.- hydroxy-	24938-91-8	607-463-3		Acute tox.4 H302; Eye dam. 1 H318.	0,25%
(R)-p-metha-1,8-diene; d- limonene	5989-27-5	227-813-5	601-029-00-7	Flam.liq. 3 H226; Skin irrit. 2 H315; Skin sens. 1 H317; Aquatic acute 1 H400; Aquatic chronic 1 H410.	0,05%

For the wording of the listed hazard statements refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

General: There are no dangers that would require special emergency measures. Instantly remove any clothing soiled by the product.

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Skin Contact: Wash with soap and water. Get medical attention if symptoms occur (skin irritation).

Eye contact: Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

No symptoms are known or expected.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. There are no hazards that require special first aid measures.

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SECTION 5: Firefighting measures**5.1. Extinguishing media**

It is used for fire prevention measures that are suitable for local conditions and the surrounding environment.

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added.

Unsuitable extinguishing media: Water with a full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: carbon dioxide and carbon monoxide. Their inhalation is very dangerous.

Symptoms may not be immediately apparent. Get medical help.

5.3. Advice for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move container from fire area if it can be done without risk. Dispose of fire residues and fire-fighting water contamination in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

See protective measures in sections 7 and 8. In case of spills, beware of slippery floors and surfaces. Keep unauthorized personnel away.

6.2. Environmental Precautions

Prevent from spreading (e.g. by binding). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

6.4. Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling. See Section 13 for information on disposal.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Prevent formation of aerosols. Avoid contact with skin. Wash your hands after handling. Provide adequate ventilation. Do not eat, drink or smoke in the work area. Remove contaminated clothing and protective equipment before entering the food area. Never put chemicals in packaging that is normally used for food or drink.

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7.2. Conditions for safe storage, including any incompatibilities

Store in well-closed original packaging in a dry, cool and well-ventilated place, away from heat sources. Store above freezing temperature and below ignition temperature. Keep away from food, drink and animal feed.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**Podpoglavlje 8.1. Control Parameters***Occupational Exposure Limits:*

None of the components have assigned exposure limits.

Derived No- or Minimal Effect Level (DN(M)EL):

(R)-p-metha-1,8-diene; d-limonene CAS no 5989-27-5

Inhalation exposure

66,7 mg/m³ long term systemic effects for workers

16,6 mg/m³ long term systemic effects for general population

Dermal Exposure

9,5 mg/kg bw/day long term systemic effects for workers

4,8 mg/kg bw/day long term systemic effects for general population

Oral Exposure

4,8 mg/kg bw/day long term systemic effects

Predicted No-Effect Concentration (PNEC):

(R)-p-metha-1,8-diene; d-limonene CAS no 5989-27-5

Freshwater: 0,014 mg/l

Marine water: 0,0014 mg/l

Sewage treatment plant (STP): 3,85 mg/l

Sediment freshwater: 3,85 mg/kg

Sediment marina water: 0,385 mg/kg

Soil: 0,763 mg/kg

8.2. Exposure controls

Wash hands before breaks and after work. Use personal protective equipment as required.

Eye/face protection:

Safety glasses (EN 166) recommended during refilling. Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

*Skin protection**Hand Protection:*

Protective gloves in accordance with EN 374 standard.

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Material: Nitrile butyl rubber (NBR). Min. Breakthrough time \geq 480 min. Recommended thickness of the material: \geq 0,38 mm.

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection.

Body skin:

Work clothes in accordance with the standard EN 340. Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Ensure good ventilation/exhaustion at the workplace. No respiratory protection is required.

Thermal hazards:

Not known.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance, physical state, color	Liquid yellow
Odor	Fruit
pH	7,5 – 8,0
Freezing point	not determined
Boiling Point	not determined
Flash Point	>100 °C
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Flammability Limit - Upper / Flammability Limit - Lower	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Density	1,05 g/cm ³
Solubility	Soluble in water
Partition coefficient (n-octanol/water)	Not applicable
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other information:

No data available.

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SECTION 10: Stability and reactivity**10.1. Reactivity**

Decomposition will not occur if stored and used in accordance with the instructions.

10.2. Chemical Stability

Stable under normal use conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions.

10.4. Conditions to avoid

Avoid contact with oxidizing agents.

10.5. Incompatible Materials

No data available.

10.6. Hazardous Decomposition Products

Not known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

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

Acute toxicity of the components of the mixture:

(R)-p-metha-1,8-diene; d-limonene CAS no 5989-27-5

Oral LD 50: >2000 mg/kg (rat)

Dermal LD 50: >5000 mg/kg (rabbit)

Skin Corrosion/Irritation

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

Serious Eye Damage/Eye Irritation

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

Respiratory or Skin Sensitization

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

Germ Cell Mutagenicity

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

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Carcinogenicity

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

Reproductive toxicity

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

Specific Target Organ Toxicity - Single Exposure

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

Specific Target Organ Toxicity - Repeated Exposure

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

Aspiration Hazard

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

SECTION 12: Ecological information**12.1 Toxicity**

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

Aquatic toxicity of mixture components:

PEG-7 Glyceryl cocoate CAS no 68201-46-7

LC 50 (96h): >100 mg/l (fish)

EC 50 (48h): >100 mg/l (Aquatic Invertebrates)

EC 50 (72h): >100 mg/l (algae)

(R)-p-metha-1,8-diene; d-limonene CAS no 5989-27-5

LC 50 (96h): 702 µg/l (fish)

EC 50 (48h): 307 µg/l (Aquatic Invertebrates)

EC 50 (72h): 0,32 mg/l (algae)

12.2. Persistence and Degradability

PEG-7 Glyceryl cocoate CAS no 68201-46-7: >60%, 28d, OECD 301B.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The product does not contain any substances fulfilling the PBT/vPvB criteria.

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12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

General information:

Dispose in accordance with all applicable regulations.

Disposal methods:

Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1. UN Number	Non-dangerous goods	Non-dangerous goods	Non-dangerous goods
14.2. UN Shipping Name	/	/	/
14.3. Class	/	/	/
14.4. Packing Group	/	/	/
14.5. Environmental hazards	No	No	No
14.6. Special precautions for user	/	/	/
14.7. Transport in bulk	/	/	/

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Regulations:

EU. Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: none.

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

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SECTION 16: Other information**Revision Information:** /**Data evaluation method according to the CLP/GHS regulation used for classification:** /**Wording of the H-statements in section 3**

H 226 Flammable liquid and vapour
H 302 Harmful if swallowed
H 315 Causes skin irritation
H 318 Causes serious eye damage
H 317 May cause an allergic skin reaction
H 400 Very toxic to aquatic life.
H 410 Very toxic to aquatic life with long lasting effects

Abbreviations and Acronyms

bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IATA - International Air Transport Association; IC50 - Half maximal inhibitory concentration; IMDG - International Maritime Dangerous Goods; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SDS - Safety Data Sheet; TDG - Transportation of Dangerous Goods; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative;

Data source:

ECHA (European Chemicals Agency)

Disclaimer:

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material.