

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

FPM 502 matt gold 20 %

Version: 6

Revision date: 30/08/2018



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

1.1 Product identifier.

Product Name: **FPM 502 matt gold 20 %**

1.2 Relevant identified uses of the mixture and uses advised against.

Ceramic use.

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **GLAZURA, S.R.O.**
Address: Roudnická 122
City: 413 01 Dobruška
Telephone: +420 416 809 711
Fax: +420 416 809 814, +420 416 809 733
E-mail: info@glazura.cz

1.4 Emergency telephone number: (Available 24 hours)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:

- Aquatic Chronic 2 : Toxic to aquatic life with long lasting effects.
- Eye Irrit. 2 : Causes serious eye irritation.
- Flam. Liq. 3 : Flammable liquid and vapour.
- Skin Irrit. 2 : Causes skin irritation.
- Skin Sens. 1 : May cause an allergic skin reaction.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008: Pictograms:



Signal Word:

Warning

H statements:

- | | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |

P statements:

- | | |
|-----------|--|
| 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. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P321 | Specific treatment (see ... on this label). |
| P370+P378 | In case of fire: Use... to extinguish. |

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P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to ...

EUH statements:

EUH208 Contains (R)-p-mentha-1,8-diene,d-limonene. May produce an allergic reaction.
EUH208 Contains Rosemary oil N. Afr.. May produce an allergic reaction.
EUH208 Contains Eucalyptus globulus oil. May produce an allergic reaction.

Contains:

Dipentene Rosin
delta-3-Carene
Linalool
Silicon tepernate

2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	specific concentration limit
CAS No: 25639-42-3 EC No: 247-152-6	[1] methylcyclohexanol	>=5% <10%	Acute Tox. 4, H332 - Acute Tox. 4, H302 - Flam. Liq. 3, H226	-
Index No: 650-015-00-7 CAS No: 8050-09-7 EC No: 232-475-7 Registration No: 012119480418-32-XXXX	[1] Rosin	>=5% <10%	Skin Sens. 1, H317	-
CAS No: 68956-56-9 EC No: 273-309-3	Hydrocarbons, terpene processing by-products	>=5% <10%	Asp. Tox. 1, H304 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315	-
Index No: 601-022-00-9 CAS No: 1330-20-7 EC No: 215-535-7 Registration No: 012119488216-32-XXXX	xylene (Mixture of isomers)	>=2.5% <5%	Acute Tox. 4, H312 - Acute Tox. 4, H332 - Asp. Tox. 1, H304 - Eye Irrit. 2, H319 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 - STOT RE 2, H373 - STOT	-

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			SE 3, H335	
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CAS No: 99-86-5 EC No: 202-795-1	alpha-Terpinene	>=2.5% <5%	Acute Tox. 4, H302 - Aquatic Chronic 2, H411 - Asp. Tox. 1, H304 - Flam. Liq. 3, H226	-
CAS No: 8052-42-4 EC No: 232-490-9 Registration No: 012119480172-44-XXXX	[1] Asphalt	>=2.5% <5%	-	-
CAS No: 115-95-7 EC No: 204-116-4 Registration No: 012119454789-19-XXXX	Linalyl acetate	>=2.5% <5%	Eye Irrit. 2, H319 - Skin Irrit. 2, H315	-
CAS No: 78-70-6 EC No: 201-134-4 Registration No: 012119474016-42-XXXX	Linalool	>=2.5% <5%	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 21548-73-2 EC No: 244-438-2	Disilver sulphide	>=2.5% <5%	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - STOT SE 3, H335	-
CAS No: 67874-71-9 EC No: 267-499-7	BISMUTH TRIS (2-ETHYLHEXANOATE)	>=1% <2.5%	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - STOT SE 3, H335	-
CAS No: 8000-41-7 EC No: 232-268-1 Registration No: 012119553062-49-XXXX	Terpineol	>=1% <2.5%	Eye Irrit. 2, H319 - Skin Irrit. 2, H315	-
Index No: 601029007 CAS No: 138-86-3 EC No: 205-341-0	Dipentene	>=1% <2.5%	Aquatic Acute 1, H400 (M=1) - Aquatic Chronic 1, H410 (M=1) - Flam. Liq. 1, H224 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-

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CAS No: 586-62-9 EC No: 209-578-0 Registration No: 012119982325-32-xxxx	p-mentha-1,4(8)-diene	>=1% <2.5%	Asp. Tox. 1, H304 - Eye Irrit. 2, H319 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315	-
CAS No: 13466-78-9 EC No: 236-719-3 Registration No: 012119520252-55-XXXX	[1] delta-3-Carene	>=1% <2.5%	Asp. Tox. 1, H304 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 2137422-87-6 Registration No: 022120705500-72-0000	Silicon tepernate	>=1% <2.5%	Acute Tox. 4, H332 - Acute Tox. 4, H302 - Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1, H317 - STOT SE 3, H335	-
CAS No: 13466-78-9 EC No: 236-719-3 Registration No: 012119520252-55-XXXX	[1] 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	>=0.1% <1%	Aquatic Chronic 2, H411 - Asp. Tox. 1, H304 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315	-
CAS No: 84625-32-1 EC No: 283-406-2	Eucalyptus globulus oil	>=0.1% <1%	Aquatic Chronic 2, H411 - Asp. Tox. 1, H304 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 76-22-2 EC No: 200-945-0 Registration No: 012119966156-31-XXXX	[1] Camphor	>=0.1% <1%	Acute Tox. 4, H332 - Flam. Sol. 2, H228 - STOT SE 2, H371	-
Index No: 601-029-00-7 CAS No: 5989-27-5 EC No: 227-813-5 Registration No: 012119529223-47-XXXX	(R)-p-mentha-1,8-diene,d-limonene	>=0.1% <1%	Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 8000-25-7 EC No: 283-291-9	Rosemary oil N. Afr.	>=0.1% <1%	Acute Tox. 4, H332 - Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Asp. Tox. 1, H304 - Flam. Liq. 3, H226 - Skin Sens. 1, H317 - STOT SE 2, H371	-

(*)The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

* See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

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[1] Substance with a Community workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

IRRITANT PREPARATION. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate. Can cause allergic reactions.

It may cause an allergic reaction, dermatitis, redness or inflammation of the skin.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

SECTION 5: FIREFIGHTING MEASURES.

Flammable product, the necessary prevention measures should be taken in order to avoid risks, In case of fire, the following measures are recommended:

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the mixture.

Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases.

5.3 Advice for firefighters.

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Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use antistatic footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III):

Code	Description	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements
H3	STOT SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE	50	200

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7.3 Specific end use(s).

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m ³
methylcyclohexanol	25639-42-3	Koninkrijk België/Royaume de Belgique/Königreich Belgien [1]	Eight hours	50	237
			Short term		
		United Kingdom [2]	Eight hours	50	237
			Short term	75	356
		United States [3] (Cal/OSHA)	Eight hours	50	
			Short term		
United States [4] (NIOSH)	Eight hours	50			
	Short term				
United States [5] (OSHA)	Eight hours	100	470		
	Short term				
Rosin	8050-09-7	United Kingdom [2]	Eight hours		0,05
			Short term		0,15
Asphalt	8052-42-4	Koninkrijk België/Royaume de Belgique/Königreich Belgien [1]	Eight hours		5
			Short term		
		United Kingdom [2]	Eight hours		5
			Short term		10
delta-3-Carene	13466-78-9	Koninkrijk België/Royaume de Belgique/Königreich Belgien [1]	Eight hours	20	
			Short term		
3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	13466-78-9	Koninkrijk België/Royaume de Belgique/Königreich Belgien [1]	Eight hours	20	
			Short term		
Camphor	76-22-2	Koninkrijk België/Royaume de Belgique/Königreich Belgien [1]	Eight hours	2	12
			Short term	3	19
		United States	Eight hours		2

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		[3] (Cal/OSHA)	Short term		
		United States [4] (NIOSH)	Eight hours		2
			Short term		
		United States [5] (OSHA)	Eight hours		2
			Short term		
cyclohexanone	108-94-1	Koninkrijk België/Royaume de Belgique/Königreich Belgien [1]	Eight hours	10	40,8
			Short term	20	81,6
		European Union [6]	Eight hours	10 (skin)	40,8 (skin)
			Short term	20 (skin)	81,6 (skin)
		United Kingdom [2]	Eight hours	10	41
			Short term	20	82
		United States [3] (Cal/OSHA)	Eight hours	25	
			Short term		
		United States [4] (NIOSH)	Eight hours	25	
			Short term		
1,3,5-trimethylbenzene,mesitylene	108-67-8	Koninkrijk België/Royaume de Belgique/Königreich Belgien [1]	Eight hours	20	100
			Short term		
		European Union [6]	Eight hours	20	100
			Short term		

[1] According "Valeurs Limites d'Exposition Professionnelle" (VLEP) or "Grenswaarden voor Beroepsmatige Blootstelling" (GWBB) list adopted by Belgian Ministry of Employment and Labour.

[2] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

[3] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[4] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.

[5] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[6] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values. Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
Rosin CAS No: 8050-09-7 EC No: 232-475-7	DNEL (Workers)	Inhalation, Long-term, Systemic effects	176 (mg/m ³)
xylene (Mixture of isomers) CAS No: 1330-20-7 EC No: 215-535-7	DNEL (Workers)	Inhalation, , Local effects	289 (mg/m ³)
	DNEL (Workers)	Dermal, , Local effects	180 (mg/kg)
	DNEL (Workers)	Inhalation, , Local effects	77 (mg/m ³)
	DNEL (General population)	Inhalation, , Local effects	174 (mg/m ³)

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	DNEL (General population)	Dermal, , Local effects	108 (mg/kg)
	DNEL (General population)	Oral, , Local effects	1,6 (mg/kg/dia)
Asphalt CAS No: 8052-42-4 EC No: 232-490-9	DNEL (Workers)	Inhalation, Long-term, Local effects	2,9 (mg/m ³)
Linalyl acetate CAS No: 115-95-7 EC No: 204-116-4	DNEL (Workers)	Inhalation, Long-term, Systemic effects	2,75 (mg/m ³)
Terpineol CAS No: 8000-41-7 EC No: 232-268-1	DNEL (Workers)	Inhalation, Long-term, Systemic effects	5,8 (mg/m ³)
delta-3-Carene CAS No: 13466-78-9 EC No: 236-719-3	DNEL (Workers)	Inhalation, Long-term, Systemic effects	5,98 (mg/m ³)
3,7,7-trimethylbicyclo[4.1.0]hept-3-ene CAS No: 13466-78-9 EC No: 236-719-3	DNEL (Workers)	Inhalation, Long-term, Systemic effects	5,98 (mg/m ³)
(R)-p-mentha-1,8-diene,d-limonene CAS No: 5989-27-5 EC No: 227-813-5	DNEL (Workers)	Inhalation, Long-term, Systemic effects	33,3 (mg/m ³)
cyclohexanone CAS No: 108-94-1 EC No: 203-631-1	DNEL (Workers)	Inhalation, Long-term, Local effects	40 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Local effects	20 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	40 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	10 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Systemic effects	80 (mg/m ³)
	DNEL (General population)	Inhalation, Acute, Systemic effects	20 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Local effects	80 (mg/m ³)
	DNEL (General population)	Inhalation, Acute, Local effects	40 (mg/m ³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	4 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	1 (mg/kg bw/day)
	DNEL (Workers)	Dermal, Acute, Systemic effects	4 (mg/kg bw/day)
	DNEL (General population)	Dermal, Acute, Systemic effects	1 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term and acute, Systemic effects	1,5 (mg/kg bw/day)
1,3,5-trimethylbenzene,mesitylene CAS No: 108-67-8 EC No: 203-604-4	DNEL (Workers)	Inhalation, Long-term, Local effects	100 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	100 (mg/m ³)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

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Concentration levels PNEC:

Name	Details	Value
xylene (Mixture of isomers) CAS No: 1330-20-7 EC No: 215-535-7	Agua corriente	0,327 (mg/L)
	Marine water	0,327 (mg/L)
	Intermittent water release	0,327 (mg/L)
	sedimento de agua dulce	12,46 (mg/kg)
	sedimento marino	12,46 (mg/kg)
	Soil	2,31 (mg/kg)
	planta de tratamiento de aguas residuales	6,58 (mg/l)
cyclohexanone CAS No: 108-94-1 EC No: 203-631-1	Fresh water	0,033 (mg/l)
	Agua de mar	0,003 (mg/l)
	STP	10 (mg/l)
	Sedimento agua dulce	0,168 (mg/kg)
	Sedimento agua de mar	0,017 (mg/kg)
	Soil	0,014 (mg/kg)


PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

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Concentration:	100 %			
Uses:	Ceramic use.			
Breathing protection:				
PPE: Filter mask for protection against gases and particles (A-P). Category II or III should be chosen depending on the use limit value. The mask Characteristics: with Regulation (EU) 2015/780 to the face.				
				
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Avoid exposure to high temperatures when not used. Before use, check the integrity of inspiration and Maintenance: expiration valves. Use when exceeding TL for one or more substances contained in the mixture. Be sure that the observations: equipment is efficient.				
Hand protection:				
PPE: Protective gloves against chemicals. Characteristics: CE marking, category III.				
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420			
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much Do not make any changes to the gloves that may alter their resistance, or apply paints, solv adhesives. observations: gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.			
Material:	<table border="1" style="width: 100%;"> <tr> <td>PVC (polyvinyl chloride)</td> <td>Permeation time (min.): 480</td> <td>Material thickness (mm): 0,15</td> </tr> </table>	PVC (polyvinyl chloride)	Permeation time (min.): 480	Material thickness (mm): 0,15
PVC (polyvinyl chloride)	Permeation time (min.): 480	Material thickness (mm): 0,15		
Eye protection:				
PPE: Protective goggles against splashes and particles. Characteristics: CEN standards: Maintenance: observations: goggles are recommended when handling the product to avoid accidental sketching of liquids.				
Skin protection:				
If the product is handled correctly, no individual protection equipment is necessary.				

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Liquid with characteristic odour and colour
 Colour: not available
 odour: characteristic odour
 threshold: not available
 pH: N.A./N.A.
 Melting point: not available °C
 Boiling Point: 272 °C
 Flash point: 43 °C
 Evaporation rate: not available
 Inflammability (solid, gas): not available
 Lower Explosive Limit: It does not contain chemical groups associated with explosive properties
 Upper Explosive Limit: It does not contain chemical groups associated with explosive properties
 vapour pressure: 0,466
 vapour density: not available
 Relative density: 1,123
 Solubility: N.A./N.A.
 Liposolubility: N.A./N.A.
 Hydrosolubility: N.A./N.A.
 Partition coefficient (n-octanol/water): not available
 Auto-ignition temperature: not available °C
 Decomposition temperature: not available °C
 Viscosity: N.A./N.A.
 Explosive properties: It does not contain chemical groups associated with explosive properties

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oxidizing properties: It does not contain chemical groups associated with oxidizing properties

N.A./N.A. Not Available/Not Applicable due to the nature of the product

9.2 Other information.

Pour point: not available

link: not available

Kinematic viscosity: N.A./N.A.

N.A./N.A. Not Available/Not Applicable due to the nature of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

If the storage conditions are satisfied, does not produce dangerous reactions.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

Flammable liquid and vapour.

10.4 Conditions to avoid.

Avoid the following conditions:

- High temperature.
- Static discharge.
- Contact with incompatible materials.
- Avoid temperatures near or above the flash point. Do not heat closed containers. Avoid direct sunlight and heat, as these may cause a risk of fire.

10.5 Incompatible materials.

Avoid the following materials:

- Explosives materials.
- Toxic materials.
- oxidizing materials.

10.6 Hazardous decomposition products.

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT PREPARATI N. Splatters in the eyes can cause irritation.

IRRITANT PREPARATI N. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin. Splatters in the eyes can cause irritation and reversible damage.

Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
Rosin	oral	DL50	Rat	2800 mg/Kg
	Dermal			
	Inhalation			

CAS No: 8050-09-7 EC No: 232-475-7

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xylene (Mixture of isomers) CAS No: 1330-20-7 EC No: 215-535-7	oral	LD50 Rat 4300 mg/kg bw 1 1 AMA Archives of Industrial Health. ol. 14, Pg. 387, 1956
	Dermal	LD50 Rabbit 1700 mg/kg bw 1 1 Raw Material Data Handbook, ol.1: rganic Solvents, 1974. ol. 1, Pg. 123, 1974
	Inhalation	LC50 Rat 21,7 mg/l/4 h 1 1 Raw Material Data Handbook, ol.1: rganic Solvents, 1974. ol. 1, Pg. 123, 1974
Linalool CAS No: 78-70-6 EC No: 201-134-4	oral	
	Dermal	LD50 Rabbit 5610 mg/kg bw 1 1 Food and Cosmetics Toxicology. ol. 13, Pg. 827, 1975
	Inhalation	
3,7,7-trimethylbicyclo 4.1.0 hept-3-ene CAS No: 13466-78-9 EC No: 236-719-3	oral	LD50 Rat 4800 mg/kg 1 LD50 Rat 4800 mg/kg 2 1 Food and Cosmetics Toxicology. ol. 11, Pg. 1053, 1973 2 Food and Cosmetics Toxicology. ol. 11, Pg. 1053, 1973
	Dermal	
	Inhalation	
cyclohexanone	oral	LD50 Rat 800 mg/kg 1 1 American Industrial Hygiene Association urnal. ol. 30, Pg. 470, 1969
	Dermal	
CAS No: 108-94-1 EC No: 203-631-1	Inhalation	LC50 Rat 11.8 mg/l/4 h 1 1 Raw Material Data Handbook, ol.1: rganic Solvents, 1974. ol. 1, Pg. 18, 1974
1,3,5-trimethylbenzene,mesitylene CAS No: 108-67-8 EC No: 203-604-4	oral	
	Dermal	
	Inhalation	LC50 Rat 24 mg/l/4 h 1 1 igiena i Sanitariya. For English translation, see H SAA . ol. 44(5), Pg. 15, 1979

a) acute toxicity

Not conclusive data for classification.

Acute Toxicity Estimate (ATE): Mixtures:

ATE (Dermal) 25.931 mg/kg

ATE (oral) 3.965 mg/kg

b) skin corrosion/irritation Product classified:

Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation Product classified:

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E e irritation Categor 2: Causes serious e e irritation.

d) respirator or s in sensitisation Product classified:

S in sensitiser Categor 1: Ma cause an allergic s in reaction.

e) germ cell mutagenicit Not conclusive data for classification.

f) carcinogenicit Not conclusive data for classification.

g) reproductive toxicit Not conclusive data for classification.

h) STOT-single exposure ased on available data the classification criteria are not met.

i) STOT-repeated exposure ased on available data the classification criteria are not met.

) aspiration hazard ased on available data the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
x lene (Mixture of isomers)	Fish	C50	Fish	15.7 mg/l (6 h) 1
CAS No: 1330-20-7 EC No: 215-535-7				1 aile H.C. D.H. . iu and H.A. avitz 1 85. Time/Toxicit Relationships in Short-Term Static D namic and Plug-Flo ioassa s. In: R.C. ahner and D. .Hansen (Eds.) A uatic Toxicolog and Hazard Assessment 8th S mposium ASTM STP 8 1 Philadelphia PA :1 3-212
	A uatic invertebrates	C50	Crustacean	8.5 mg/l (48 h) 1
	A uatic plants	CE50	Selenastrum capricornutum	2.2 mg/l (72 h) 1
				1 OECD TG 201

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(R)-p-mentha-1,8-diene d-limonene CAS No: 58-27-5 EC No: 227-813-5	Fish	C50 Fish 17 mg/l (6 h) 1 1 Geiger D. .T. roore and D. .Call 1 0. Acute Toxicities of Organic Chemicals to Fathead Minnows (Pimephales promelas) Volume 5. Ctr. for a e Superior Environ.Stud. niv.of Wisconsin-Superior Superior I:332 p.. Fingas M.F. D.A. le N. aroche .Fieldhouse G. Serg and G. Stoodle 1 5. The Effectiveness Testing of Oil Spill-Treating Agents. In: P. ane (Ed.) The se of Chemicals in Oil SpillResponse ASTM STP 1252 Philadelphia PA :286-2 8
	Aquatic invertebrates	EC50 Crustacean 17 mg/l (48 h) 1 1 Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerl : Environmental Effects Database (EED)). Environmental Fate and Effects Division .S.EPA ashington D.C
	Aquatic plants	
cyclohexanone CAS No: 108-4-1 EC No: 203-631-1	Fish	C50 Pimephales promelas 572-732 mg/l (6 h) 1 1 Test method of the .S. EPA Committee on Methods for Toxicit (1 75)
	Aquatic invertebrates	EC50 Daphnia magna 100 mg/l (48h) 1 1 OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	Aquatic plants	ECr50 Desmodesmus subspicatus 100 mg/l (72h) 1 1 OECD Guideline 201 (Alga Growth Inhibition Test)
1,3,5-trimethylbenzene mesitylene	Fish	C50 Fish 12.5 mg/l (6 h) 1 1 renniman G. R. Hartung and . . eber r. 1 76. A Continuous Flo ioassa Method to Evaluate the Effects of Outboard Motor Exhausts and Selected Aromatic Toxicants on Fish. ater Res. 10(2):165-16
	Aquatic invertebrates	C50 Crustacean 13 mg/l (48 h) 1 1 Cald ell R.S. E.M. Caldarone and M.H. Mallon 1 77. Effects of a Sea ater-Soluble Fraction of Coe Inlet Crude Oil and Its Ma or Aromatic Components on arval Stages of the Dungeness Crab Cancer magister Dana. In: D.A. olfe (Ed.)
	Aquatic plants	

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CAS No: 108-67-8

EC No: 203-604-4

12.2 Persistence and degradability.

There is no information available on the degradability of the substances present.

No information is available regarding the degradability of the substances present. No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
inal I acetate N. CAS: 115- 5-7 EC No: 204-116-4	3 3	-	-	Moderate
inalool N. CAS: 78-70-6 EC No: 201-134-4	2 7	-	-	o
delta-3-Carene N. CAS: 13466-78- EC No: 236-71 -3	4 38	-	-	High
3 7 7-trimeth lbic do 4.1.0 hept-3-ene N. CAS: 13466-78- EC No: 236-71 -3	4 38	-	-	High
Camphor N. CAS: 76-22-2 EC No: 200- 45-0	2 34	-	-	o
c dohexanone N. CAS: 108- 4-1 EC No: 203-631-1	0 81	-	-	Ver lo
1 3 5-trimeth lbenzene mesit lene N. CAS: 108-67-8 EC No: 203-604-4	3 42	-	-	Moderate

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or water courses. Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

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SECTION 13 DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG. Transport documentation: Bill of lading **Air:** Transport by plane: ICAO/IATA.

Transport document: Airway bill.

14.1 UN number.

UN No: UN1993

14.2 UN proper shipping name. Description:

ADR: UN 1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS METHYLCYCLOHEXANOL / HYDROCARBONS, TERPENE PROCESSING BY-PRODUCTS), 3, PG III, (D/E)

IMDG: UN 1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS METHYLCYCLOHEXANOL / HYDROCARBONS, TERPENE PROCESSING BY-PRODUCTS / ALPHA-TERPINENE), 3, PG III, MARINE POLLUTANT

ICAO/IATA: UN 1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS METHYLCYCLOHEXANOL / HYDROCARBONS, TERPENE PROCESSING BY-PRODUCTS), 3, PG III

14.3 Transport hazard class(es).

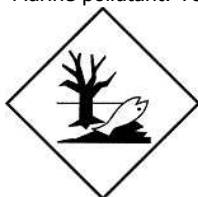
Class(es): 3

14.4 Packing group.

Packing group: III

14.5 Environmental hazards.

Marine pollutant: Yes



Dangerous for the environment

14.6 Special precautions for user.

Labels: 3



Hazard number: 30

ADR LQ: 5 L IMDG

LQ: 5 L

ICAO LQ: 10 L

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Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.
Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-E,S-E Proceed in accordance with point 6.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code. The product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC)

VOC content (p/p): 23,186 %

VOC content: 260,397 g/l

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): H3

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H224	Extremely flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 4 : Acute toxicity (Dermal), Category 4

Acute Tox. 4 : Acute toxicity (Inhalation), Category 4

Acute Tox. 4 : Acute toxicity (Oral), Category 4

Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1

Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1 Aquatic

Chronic 2 : Chronic effect to the aquatic environment, Category 2

Asp. Tox. 1 : Aspiration toxicity, Category 1

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Eye Irrit. 2 : Eye irritation, Category 2

Flam. Liq. 1 : Flammable liquid, Category 1

Flam. Liq. 3 : Flammable liquid, Category 3

Flam. Sol. 2 : Flammable solid, Category 2

Skin Irrit. 2 : Skin irritant, Category 2

Skin Sens. 1 : Skin sensitiser, Category 1

STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2

STOT SE 2 : Specific target organ toxicity following a single exposure, Category 2

STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

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Information on the TSCA Inventory (Toxic Substances Control Act) USA:

CAS No	Name	State
25639-42-3	methylcyclohexanol	
8050-09-7	Rosin	Registered
68956-56-9	Hydrocarbons, terpene processing by-products	Registered
1330-20-7	xylene (Mixture of isomers)	Registered
99-86-5	alpha-Terpinene	Registered
8052-42-4	Asphalt	Registered
115-95-7	Linalyl acetate	Registered
78-70-6	Linalool	Registered
21548-73-2	Disilver sulphide	Registered
67874-71-9	BISMUTH TRIS (2-ETHYLHEXANOATE)	Registered
8000-41-7	Terpineol	Registered
138-86-3	Dipentene	Registered
586-62-9	p-mentha-1,4(8)-diene	Registered
13466-78-9	delta-3-Carene	Registered
2137422-87-6	Silicon tepernate	
13466-78-9	3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	Registered
84625-32-1	Eucalyptus globulus oil	
76-22-2	Camphor	Registered
5989-27-5	(R)-p-mentha-1,8-diene,d-limonene	Registered
8000-25-7	Rosemary oil N. Afr.	Registered

Abbreviations and acronyms used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

BCF: Bioconcentration factor.

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

EC50: Half maximal effective concentration.

PPE: Personal protection equipment.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code for Dangerous Goods.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

Log Pow: Logarithm of the partition octanol-water.

NOEC: No observed effect concentration.

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

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<http://echa.europa.eu/> Regulation
(EU) 2015/830.
Regulation (EC) No 1907/2006.
Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties. -End of safety data sheet.-