EG-Safety Data Sheet

according to Regulation (EC) No 1272/2008

ROTWEISS Schleif- und Polierpaste
ROTWEISS Grinding and Polishing Paste

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

1.1 Product identification

ROTWEISS Schleif- und Polierpaste
ROTWEISS Grinding and Polishing Paste

Material No 5100, 5150

1.2 Relevant identified uses of the substance or mixture and uses, which is discouraged

Polishing material for commercial and private use

1.3 Details to the supplier who provides the material safety data sheet

Name: ROTWEISS Produkte
Josef Zürn
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88142 Wasserburg
Germany
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E-mail: info@rotweiss.com
Contact Partner: Mrs Petra Zürn

1.4 Emergency telephone number

Poison information centre Erfurt: +49 (0) 361 730730

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Council Directive 67/548/EEC or Regulation 1999/45/EC
Indications of danger: Xi - Irritant
R-phrases:
R 36/38 Irritating to eyes and skin.
R43 May cause sensitization by skin contact.
R52 / 53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 67 Vapours may cause drowsiness and dizziness.

2.1.2 Classification according to Regulation (EC) No 1272/2008 [CLP]
Hazard categories:
Skin corrosion / irritation: Skin irritation. 2
Serious eye damage / eye irritation: Eye irritation. 2
Respiratory or skin sensitization: Sens. Skin 1
Specific target organ toxicity (single exposure): STOT mon. 3
Hazardous to the aquatic environment: Aqu. chron. 3
Hazard statements:
Causes skin irritation.
May cause an allergic skin reaction.
Causes severe eye irritation.
May cause drowsiness and dizziness.
Harmful to aquatic organisms, with long-term effect.

2.2 Label elements

Hazardous component(s) for labelling
Naphtha (petroleum), treated with hydrogen, heavy; Naphtha, hydrogen-treated, low-boiling orange oil, orange terpene.

Signal word: Warning
Pictograms: GHS07

Hazard warnings

H315 Causes skin irritation.
H317 can cause allergic reactions to your skin. H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Safety instructions

P261 Avoid breathing dust / fume / gas / mist / vapors / aerosols.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P302 + P352 IF IN EYES: Wash with plenty of water.
P333 + P313 In case of skin irritation or rash: Get medical advice / attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if possible. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice / attention.
P403 + P233 Keep container tightly closed in a well-ventilated place.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other dangers

There is no information.

SECTION 3: Composition / information on ingredients

3.1 Composition

Hazardous ingredients

EG-Nr.	Bezeichnung	
CAS-Nr.	Classification according Regulation 67/548/EEC	
Index-Nr.	Classification according Regulation (EC) No 1272/2008 [CLP]	
REACH-Nr.		
265-150-3	Naphtha (petroleum), treated with hydrogen, heavy; Naphtha, hydrogenated, low boiling point	10 - < 25 %
64742-48-9	Xn - Harmful R10-65-66-67	
649-327-00-6	Flam. Liq. 3, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1; H226 H315 H336 H304 EUH066	
01-2119471843-32		
232-433-8	Orange oil, Orange terpene	1 - <
8028-48-6	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-38-43-51-53-65	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H226 H315 H317 H304 H400 H410	
01-2119493353-35		
202-680-6	p-Menth-1-en-8-ol	1 - <
98-55-5	Xi - Irritant R36/38	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319	
01-2119980717-23		
215-185-5	Natriumhydroxid	0,1 - <
1310-73-2	C - Corrosive R35	
011-002-00-6	Met. Corr. 1, Skin Corr. 1A; H290 H314	

01-2119457892-27		
273-309-3	Hydrocarbons, by-products in the processing of terpene	0,1 - <
68956-56-9	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-36/38-43-51-53-65	
	Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H315 H319 H317 H304 H411	
205-341-0	Dipenten	0,1 - <
138-86-3	Xi - Irritant, N - Dangerous for the environment R10-43-38-50-53	
601-029-00-7	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H226 H315 H317 H400 H410	
209-578-0	p-Mentha-1,4(8)-dien	0,1 - <
586-62-9	Xn - Harmful, N - Dangerous for the environment R43-50-53-65	
	Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H317 H304 H400 H410	
01-2119982325-32		

Wording of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms are present, seek medical advice.

After inhalation

Move affected person to fresh air. Take affected persons to rest and keep warm. In case of respiratory distress or artificial respiration, initiate artificial respiration. In case of unconsciousness place in stable position and seek medical advice.

After skin contact

In case of contact with skin, wash immediately with polyethylene glycol, then with plenty of water. Remove all contaminated clothing immediately and wash before reuse. Medical treatment necessary.

After eye contact

In case of eye contact, rinse eyes with open eyelids for a sufficient period of time with water, then consult a doctor immediately.

After swallowing

Immediately rinse mouth and drink plenty of water. Keep calm.
DO NOT induce vomiting.

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

There is no information.

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

Symptomatic treatment

SECTION 5: Fire-fighting measures

5.1. Extinguishing Media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide (CO2), extinguishing powder, water mist.

Unsuitable extinguishing media

Jet of water.

5.2. Special hazards arising from the substance or mixture

Not flammable. Vapors may form explosive mixtures with air. Hazardous combustion products.

5.3. Instructions for fire fighting

Wear self-contained breathing apparatus and chemical protective suit. Full protective suit.

Additional information

To protect persons and to cool containers in danger, use water spray. Supress gases / vapors / fog with a water spray jet. Collect contaminated fire fighting water separately. Do not discharge into drains or rivers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all ignition sources. Ensure adequate ventilation.
Do not breathe gas / fumes / vapor / spray. Avoid contact with skin, eyes and clothes. Use personal protective equipment.

6.2. Environmental precautions

Do not discharge into drains or rivers. Ensure that all wastewater is collected and fed to a sewage treatment plant.

6.3. Methods and materials for retention and cleaning

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder).
Treat the absorbed material according to the section Disposal.

6.4. Reference to other sections

For safe handling: see section 7
Personal protective equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

In case of open handling, devices with local exhaust must be used. Gas / smoke / vapor / aerosol do not inhale.

Information about fire and explosion protection

Grounding of tanks, equipment, pumps and suction devices.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers

Keep container tightly closed. Recommended storage temperature 0 to 25 ° C.
Protect from direct sunlight. Ensure adequate storage space ventilation.

Storage compatibility

No special precautions required.

Storage class according to TRGS 510: 10

7.3. Specific end use(s)

Polishes and wax mixtures

SECTION 8 Exposure controls / personal protection equipment

8.1. Parameters to be monitored; Occupational Exposure Limits (TRGS 900)

CAS-Nr.	Bezeichnung	ppm	mg/m³	F/m³	Spitzenbegr.	Art
5989-27-5	(R)-p-Mentha-1,8-dien (D-Limonen)	5	28		4(II)	
-	Hydrocarbon mixtures, fractions (RCP-Gruppe): C7-C8 Aromatics		200		2(II)	
-	Hydrocarbon mixtures, fractions (RCP-Gruppe): C9-C15 Aromatics		100		2(II)	

8.2. Limitation and monitoring of exposure

Suitable technical control devices

Do not breathe gas / fumes / vapor / spray. Provide adequate ventilation and point-shaped extraction at critical points.

Protection and hygiene measures

Take off dirty, soaked clothes immediately. Create and observe the skin protection plan! Wash hands and face thoroughly before breaks and at the end of work. Do not eat, drink, or smoke at work.

Eye / face protection

Suitable eye protection: basket-goggles.

Hand protection

When dealing with chemical agents, only chemical protective gloves may be used CE-marking including four-digit test number. Chemical protective gloves are to be selected according to the concentration and quantity of the workplace.
Recommended Material: NBR (nitrile rubber). Penetration time (maximum duration):> 12 h. It is recommended to clarify the chemical resistance of the above protective gloves for special applications with the glove manufacturer.
Please note: DIN EN 374.

Body protection

Wear suitable protective clothing when working.

Respiratory protection

In case of insufficient ventilation, wear respiratory protection. Combination filter device (DIN EN 141). Filter material / medium: ABEK-P.

Limiting and monitoring the environmental position

Do not discharge into drains or rivers. In case of gas leak or in case of penetration into waterways, ground or drains inform competent authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Aggregate condition:	Suspension (paste)	
Color:	Beige	
Odor:	Solvent, characteristic	
PH value (at 20 ° C):	7.9	
State changes		
Melting point:	not determined	
Initial boiling point and boiling range:	100 ° C	
Flash point:	> 100 ° C	
Flammability		
Solid:	Not applicable	
Gas:	Not applicable	
Explosion hazards	None	
Lower explosion limit:	11.0 vol-%	
Upper explosion limit:	60.8 vol-%	
Ignition temperature:	> 400 ° C	DIN 51794
Auto-ignition temperature		
Solid:	Not applicable	
Gas:	Not applicable	
Decomposition temperature:	Not determined	
Oxidizing properties	Do not expel.	
Vapor pressure: (at 25 ° C)	0.4 hPa	
Density:	1.14 g / cm³	

Solubility

Water solubility:	Fully miscible
Solubility in other solvents	Not determined
Distribution coefficient:	Not determined
Time-out: (at 25 ° C)	> = 60 s 6 DIN EN ISO 2431
Vapor Density:	Not determined
Evaporation rate:	Not determined
Solvent content:	Solvent: <20%, water: <30%

9.2. Other Information

Solids content: > 40 %

SECTION 10: Stability and Reactivity

10.1. Reactivity

When handled and stored according to specifications, no hazardous reactions occur.

10.2. Chemical stability

The product is stable when stored at normal ambient temperature.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

none

10.5. Incompatible materials

There is no information.

10.6. Hazardous decomposition products

No dangerous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Due to the available data, the classification criteria are not met.

Acute toxicity

CAS-Nr.	Designation				
	Exposure routes	Methode	Dose	Species	Source
64742-48-9	Naphtha (petroleum), Treated with hydrogen, heavy; Naphtha, hydrogenated, low boiling point				
	oral	LD50	> 5000 mg/kg	rat	OECD 401
	dermal	LD50	> 2000 mg/kg	rat	OECD 402
	inhalativ (4 h) Dampf	LC50	> 5,61 mg/l	rat	OECD 403
8028-48-6	Orange oil, Orange terpene				
	oral	LD50	> 5000 mg/kg	rat	OECD 401
	dermal	LD50	> 5000 mg/kg	rabbit	OECD 402
98-55-5	p-Menth-1-en-8-ol				
	oral	LD50	4300 mg/kg	rat	OECD 401
	dermal	LD50	> 2000 mg/kg	rat	OECD 402
138-86-3	Dipenten				
	oral	LD50	5300 mg/kg	rat	GESTIS
	dermal	LD50	> 5000 mg/kg	rabbit	GESTIS

586-62-9	p-Mentha-1,4(8)-dien				
	oral	LD50	3740 mg/kg	rat	OECD 401
	dermal	LD50	> 4300 mg/kg	rabbit	OECD 402

Irritation and etching
Causes skin irritation. Causes severe eye irritation.
Sensitizing effects
May cause an allergic skin reaction. (Hydrocarbons, by-products in the processing of terpene), (dipentene), (p-mentha-1,4 (8) -diene)
Specific target organ toxicity for single exposure
May cause drowsiness and dizziness. (Naphtha (petroleum), hydrotreated, heavy, naphtha, hydrogen-treated, low-boiling)
Severe effects after repeated or prolonged exposure
Repeated exposure may cause skin dryness or cracking.
Carcinogenic, mutagenic and toxic for reproduction
Due to the available data, the classification criteria are not met.
Aspiration
Due to the available data, the classification criteria are not met.
Other information on tests
The mixture is classified as hazardous within the meaning of Regulation (EC) No 1272/2008 [CLP].
Experiences from practice
Other observations
Repeated or prolonged exposure may cause skin irritation and dermatitis due to the degreasing properties of the product.

SECTION 12: Environmental information

12.1. Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS-Nr.	Designation					
	Aquatic toxicity	Methode	Dose	[h] | [d]	Species	Source
64742-48-9	Naphtha (petroleum), Treated with hydrogen, heavy; Naphtha, hydrogenated, low boiling point					
	Acute fish toxicity	LC50	10 mg/l	96 h	Oncorhynchus mykiss (Regenbogenforelle)	OECD 203
	Acute crustacea toxicity	EC50	4,5 mg/l	48 h	Daphnia magna (Großer Wasserfloh)	OECD 202
98-55-5	p-Menth-1-en-8-ol					
	Acute fish toxicity	LC50	70 mg/l	96 h	Brachydanio rerio (Zebrabärbling)	OECD 203
	Acute seaweed toxicity	ErC50	68 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50	73 mg/l	48 h	Daphnia magna (Großer Wasserfloh)	OECD 202
586-62-9	p-Mentha-1,4(8)-dien					
	Acute fish toxicity	LC50	0,805 mg/l	96 h	Brachydanio rerio (Zebrabärbling)	Verordnung (EG) Nr. 440/2008, Anhang,
	Acute seaweed toxicity	ErC50	0,692 mg/l	72 h	Pseudokirchneriella subcapitata	Verordnung (EG) Nr. 440/2008, Anhang,
	Acute crustacea toxicity	EC50	0,634 mg/l	48 h	Daphnia magna (Großer Wasserfloh)	OECD 202
	Acute bacteria toxicity	(69 mg/l)		3 h	Belebtschlamm / activated sludge	OECD 209

12.2. Persistence and degradability

The product has not been tested.

CAS-Nr.	Designation			
	Methode	Value	d	Source
	Rating			
98-55-5	p-Menth-1-en-8-ol			
	Belebtschlamm / activated sludge	80%	28	OECD 310
	Easily biodegradable (according to OECD criteria).			
138-86-3	Dipenten			
	Oxygen concentration	80 %	28	OECD 301D/ EEC 92/69/V, C.4-E
	Easily biodegradable (according to OECD criteria).			
586-62-9	p-Mentha-1,4(8)-dien			
	Biochemical oxygen demand (BOD)	81 %	28	OECD 301D/ EEC 92/69/V, C.4-E
	Easily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative

The product has not been tested.

Distribution coefficient n-octanol / water

CAS-Nr.	Designation	Log Pow
8028-48-6	Orange oil, Orange terpene	2,78 - 4,88
138-86-3	Dipenten	4,5
586-62-9	p-Mentha-1,4(8)-dien	4,29

BCF

CAS-Nr.	Designation	BCF	Species	Source
586-62-9	p-Mentha-1,4(8)-dien	334		IUCLID

12.4. Mobility in the ground

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

There is no information.

More information

Do not discharge into drains or rivers. Do not allow to enter the substrate / soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendation

Do not discharge into drains or rivers. Do not allow to enter the substrate / soil.
Disposal according to official regulations.

Waste key product

080119 Wastes from the MFSU of coatings (paints, varnishes, enamels), adhesives, sealants and printing inks; Wastes from the MFSU and removal of paints and varnishes; Aqueous suspensions containing paints or varnishes containing organic solvents or other hazardous substances. Classified as hazardous waste.

Waste key product residues

080119 Wastes from the MFSU of coatings (paints, varnishes, enamels), adhesives, sealants and printing inks; Wastes from the MFSU and removal of paints and varnishes; Aqueous suspensions containing paints or varnishes containing organic solvents or other hazardous substances. Classified as hazardous waste.

Waste code uncleaned packaging

150110 Packaging waste, absorbent materials, wipes, filter materials and protective clothing (a. N. G.); Packaging (including separately collected municipal packaging waste); Packaging containing residues of or contaminated by dangerous substances. Classified as hazardous waste.

Disposal of uncleaned packaging and recommended detergents

Non-contaminated and completely emptied packagings can be recycled. Contaminated packaging should be treated as the substance

SECTION 14: Transport information

14.1 Land transport (ADR / RID)

14.1.1 UN number:	No dangerous good in the sense of these transport regulations.
14.1.2 UN proper shipping name:	Not hazardous according to these transportation regulations.
14.1.3 Transport hazard class:	Not hazardous according to these transportation regulations.
14.1.4 Packing group:	Not hazardous according to these transportation regulations.

14.2 Inland waterway transport (ADN)

14.2.1 UN number:	Not hazardous according to these transportation regulations.
14.2.2 UN proper shipping name:	Not hazardous according to these transportation regulations.
14.2.3 Transport hazard class:	Not hazardous according to these transportation regulations.
14.2.4 Packing group:	Not hazardous according to these transportation regulations.

14.3 Sea transport (IMDG)

14.3.1 UN number:	Not hazardous according to these transportation regulations.
14.3.2. UN proper shipping name:	Not hazardous according to these transportation regulations.
14.3.3 Transport hazard classifications:	Not hazardous according to these transportation regulations.
14.3.4 Packaging group:	Not hazardous according to these transportation regulations.

14.4 Air transport (ICAO)

14.4.1 UN number:	Not hazardous according to these transportation regulations.
14.4.2 UN proper shipping name:	Not hazardous according to these transportation regulations.
14.4.3 Transport hazard classifications:	Not hazardous according to these transportation regulations.
14.4.4 Packaging group:	Not hazardous according to these transportation regulations.

14.5. Environmental hazards

ENVIRONMENTAL HAZARD: No

14.6. Special precautions for user

There is no information.

14.7. Transport in bulk according to Annex II of MARPOL Convention 73/78 and the IBC Code

Not applicable

SECTION 15: Legislation

15.1 To safety, health and environmental protection / specific legislation for the fabric or the mixture

National rules

Limitation of employment:	Observe employment restrictions for young people (section 22 JArbSchG).
Accident regulation:	Is not subject to StörfallVO
Cat. According StörfallVO:	
Thresholds:	
Technical instructions on air II:	5.2.5: Organic substances, stated as total carbon in m > = 0.50 kg / h: Konz. 50 mg / m ^{3}
Share:	< 30 %
water hazard class:	1 weak hazardous for water.
Status:	Mixing rule according to VwVwS annex 4, no. 3
skin resorption/awareness:	Causes hypersensitivity of allergic type from.

15.2. Chemical safety assessment

A chemical safety assessment for the following materials in this mixture was carried out: hydrogen treated naphtha (petroleum), heavy; Naphtha, treated, hydrogen low boiling Orange oil, Orange terpenes
Natriumhydroxidp-Mentha-1,4(8)-dien

SECTION 16: Other Information

Changes

This safety data sheet was established on basis of European regulation (EC) No. 1272/2008 (CLP Regulation) rebuilt and replaces previous versions.

Abbreviations and acronyms

ADR: Accord Européen sur le transport of marchandises dangereuses par route (European Agreement concerning the international carriage of dangerous goods by road)
IMDG: international maritime code for dangerous goods
IATA: International air transport Association
GHS: Globally harmonized 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
LC50: lethal concentration, 50%
LD50: lethal dose, 50%

Full text of R-phrases (number and full-text)

R10 Flammable.
R35 causes severe burns.
R36/38 irritating to eyes and the skin.
R38 irritating to the skin.
R43 may cause sensitization by skin contact possible.
R50 Very toxic for aquatic organisms.
R51 Toxic for aquatic organisms.
R53 Can in waters in the long term damaging effects have.
R65 harmful: Can lung damage if swallowed cause.
R66 Repeated contact can cause skin dryness or cracking skin lead.
R67 Vapours may cause drowsiness and dizziness cause.

Text of the H - EUH-phrases (number and full-text)

H226 liquid and steam flammable.
H290 can be corrosive to metals be.
H304 can be fatal if swallowed and enters Airways be.
H314 causes severe burns to the skin and heavy eye damage.
H315 caused skin irritation.
H317 can allergic reactions of the skin cause.
H319 caused severe eye irritation.
H336 can cause drowsiness and dizziness
H400 very toxic to aquatic organisms.
H410 very toxic to aquatic organisms with long-term effect.
H411 toxic to aquatic organisms with long-term effect.
H412 Schädlich to aquatic organisms with long-term effect.
EUH066 repeated contact can cause skin dryness or cracking lead.

More information

The information in this safety data sheet corresponds to the best of our knowledge our knowledge at time of print. The information to a variety of clues for the safe handling of the in this safety data sheet type mentioned products for storage, processing, transport and disposal. The information are not transferable to other products. As far as the product with other materials is blended, mixed or processed, or undergoes a processing, information may be in this safety data sheet, unless this does not explicitly something else not stated, on the so made new material transfer be.