

SAFETY DATA SHEET**Red Pine Tar**

The safety data sheet is 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)

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

Date issued 23.10.2019

1.1. Product identifier

Product name Red Pine Tar
Article no. 60513

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

Use of the substance / preparation Wood protection
Relevant identified uses
SU21 Consumer uses: Private households (= general public = consumers)
SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)
PC9 Coatings and Paints, Fillers, Putties, Thinners

1.3. Details of the supplier of the safety data sheet**Producer**

Company name Auson AB
Postal address Verkstadsgatan 3
Postcode S-434 42
City KUNGSBACKA
Country SVERIGE
Telephone number +46 300-562000
Fax +46 300-562021
Email nina.nyth@auson.se
Website <http://www.auson.se/>
Contact person Nina Nyth

1.4. Emergency telephone number

Emergency telephone Telephone number: 112
Description: SOS Alarm

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319 Aquatic Chronic 3; H412
Substance / mixture hazardous properties	Risk for spontaneous combustion if linseed oil is absorbed by porous organic material (cotton waste or rag). This oxidation, which give rise to heat can happen even at room temperature, but raised temperature increases the risk.
Additional information on classification	See section 16 for explanation of hazard statements (H) listed above.

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Tar, wood 50 -55 %, Hydrocarbons, terpene processing by-products 15 -20 %, Diiron trioxide 15 -20 %, Linseed oil, boiled 10 - 15 %
Signal word	Warning
Hazard statements	H226 Flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 Avoid release to the environment. P280 Wear protective gloves. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice / attention. P337+P313 If eye irritation persists: Get medical advice / attention. P501 Dispose of contents at hazardous or special waste collection point.
EC label	Yes
VOC	Product subcategory : Woodstain, oil or varnish for interior and exterior use. Relevant VOC limit values: 700 g/l Maximum content of VOC: 187 g/l

2.3. Other hazards

Hazard description, general	Flammable
Other hazards	Not relevant.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Tar, wood	CAS No.: 91722-33-7 EC No.: 294-436-0 REACH Reg. No.: 01-2119999006-29-0004	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	50 -55 %	1
Hydrocarbons, terpene processing by-products	CAS No.: 68956-56-9 EC No.: 273-309-3 REACH Reg. No.: 01-2119980606-28-XXXX	Flam. Liq. 3; H226; Asp. tox. 1; H304; Skin Irrit. 2; H315; Skin Sens. 1B; H317; Eye Irrit. 2; H319; Aquatic Chronic 2; H411;	15 -20 %	1
Diiron trioxide	CAS No.: 1309-37-1 EC No.: 215-168-2 REACH Reg. No.: 01-2119457614-35-0000		15 -20 %	
Linseed oil, boiled	CAS No.: 68649-95-6 EC No.: 272-038-8 REACH Reg. No.: 01-2119484875-20-XXXX		10 - 15 %	
2-Ethylhexanoic acid, zirconium salt	CAS No.: 22464-99-9 EC No.: 245-018-1 REACH Reg. No.: 01-2119979088-21-XXXX	Repr. 2; H361fd	< 0,1 %	1
Cobalt bis(2-ethylhexanoate)	CAS No.: 136-52-7 EC No.: 205-250-6 REACH Reg. No.: 01-2119524678-29-XXXX	Skin Sens. 1; H317 Eye Irrit. 2; H319 Repr. 2; H361f Aquatic Acute 1; H400; M-factor =1 Aquatic Chronic 3; H412; M-factor =1	< 0,1 %	1
2-butanone oxime	CAS No.: 96-29-7 EC No.: 202-496-6 REACH Reg. No.: 01-2119539477-28-0003	Carc. 2; H351 Skin Sens. 1; H317 Eye Dam. 1; H318 Acute tox. 4; H312	< 0,1 %	1

¹Substance classified with a health or environmental hazard

Remarks, substance	See section 16 for explanation of hazard statements (H) listed above.
Substance comments	Contains tall oil pitch, rosin acids, neutral matters such as fatty alcohols and phytosterin and a small amount of terpenes (CAS-nr 8006-64-2, EG-nr 232-350-7)

SECTION 4: First aid measures

4.1. Description of first aid measures

General	If in doubt, seek medical advice.
Inhalation	Fresh air.

Skin contact	Wash the skin with water and soap. Remove contaminated clothing.
Eye contact	Flush immediately with water for at least 5 minutes. Get medical attention if any discomfort continues.
Ingestion	Give water to drink if the affected person is fully conscious. Never give anything by mouth to an unconscious person. Immediately consult a doctor. DO NOT INDUCE VOMITING!

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

General symptoms and effects	No further relevant information available.
Acute symptoms and effects	Inhalation: Inhalation of dust may cause irritation of the respiratory system. Skin Contact: May cause skin irritation with redness, pain and allergic reaction.

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

Specific details on antidotes	No information available.
Other information	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Dry chemical, foam or carbon dioxide (CO ₂).
Improper extinguishing media	Do not use a direct water jet that could spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Flammable.
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5.3. Advice for firefighters

Personal protective equipment	Breathing apparatus should be used in fire fighting.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Use appropriate protective equipment. Evacuate the area.
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6.2. Environmental precautions

Environmental precautionary measures	Do not allow spill to enter sewers or watercourses.
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6.3. Methods and material for containment and cleaning up

Clean up	Cover drains. Immediately start clean-up of the liquid and contaminated soil. Small amounts can be collected using absorbent material. In case of large spill, immediately contact local authorities. .
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6.4. Reference to other sections

Other instructions	See Section 8 and section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Wear prescribed personal protective equipment. Provide adequate ventilation. Avoid contact with skin and eyes. Eyewash facilities must be available at the workplace.
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Protective safety measures

Preventitive measures to protect the environment	Prevent spills. Protect wells and drains.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in sealed, original containers in well-ventilated place. Keep away from sources of ignition - No smoking.
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7.3. Specific end use(s)

Specific use(s)	See Section 1.2
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Cobalt bis(2-ethylhexanoate)	CAS No.: 136-52-7	Limit value (8 h) : 100 mg/m ³ Limit value (8 h) : 15 ppm Limit value (short term) Value: 200 mg/m ³ Limit value (short term) Value: 30 ppm	
Control parameters comments	List source(s): EU - Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.		

DNEL / PNEC

Summary of risk management measures, human	No information available.
Summary of risk management measures, environment	No information available.

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Appropriate engineering controls	No smoking, fire, sparks or welding. Eye wash facilities and emergency shower must be available when handling this product. Keep containers closed, as much as possible. Provide good ventilation.
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Eye / face protection

Suitable eye protection	Wear approved, tight fitting safety glasses where splashing is probable.
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Hand protection

Skin- / hand protection, short term contact	Protective gloves must be used if there is a risk of direct contact or splashes.
Suitable materials	Nitrile rubber. Polyvinyl alcohol (PVA).
Breakthrough time	Value: > 480 minute(s)
Thickness of glove material	Value: ≥ 0,38 mm

Skin protection

Skin protection remark	Wear protective clothing as needed.
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Respiratory protection

Respiratory protection necessary at	Use respiratory protection when handling the product in confined areas.
Recommended respiratory protection	Filter apparatus type: Respirator with A filter (brown).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Viscous liquid.
Colour	Red
Odour	Characteristic.
Odour limit	Comments: Not determined.
Melting point / melting range	Comments: Not determined.
Flash point	Value: 44 °C
Evaporation rate	Comments: No data available
Density	Value: ~ 1000 kg/m ³ Temperature: 20 °C
Solubility	Comments: Soluble in organic solvents.

Partition coefficient: n-octanol/ water	Comments: Not determined.
Explosive properties	Not an explosive.

9.2. Other information

Other physical and chemical properties

Comments	No further relevant information available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The chemical is stable at the given use and storing conditions. Keep away from heat / sparks / open flames / hot surfaces. — No smoking.
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10.2. Chemical stability

Stability	Stable with normal handling. Spontaneous combustion hazard when in contact with textiles etc. Used textiles must be soaked in water.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	No information available.
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10.5. Incompatible materials

Materials to avoid	Strong oxidizing agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No formation of hazardous decomposition products are expected under normal conditions.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Tar, wood
Acute toxicity	Effect tested: LD50 Route of exposure: Oral Method: OECD 423 Value: > 2000 mg/kg Animal test species: Rat
Substance	Diiron trioxide
Acute toxicity	Effect tested: LD50 Route of exposure: Oral

	<p>Value: > 5000 mg/kg Animal test species: Rat</p> <p>Effect tested: LC50 Route of exposure: Inhalation. Value: > 210 mg/m³ Animal test species: Rat</p>
Substance	Linseed oil, boiled
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Method: OECD 401 Value: > 4790 mg/kg Animal test species: Rat</p> <p>Effect tested: LD50 Route of exposure: Dermal Method: OECD 402 Value: > 2000 mg/kg Animal test species: Rat</p> <p>Effect tested: NOAEL Route of exposure: Oral Value: > 1000 mg/kg bw /d Animal test species: Rat</p>
Substance	Cobalt bis(2-ethylhexanoate)
Acute toxicity	<p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Method: OECD 425 Value: 3.129 mg/kg Animal test species: Rat</p> <p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Method: OECD 402 Value: > 2.000 mg/kg Animal test species: Rat</p>

Other information regarding health hazards

Acute toxicity, human experience	Not classified.
Skin corrosion / irritation, human experience	May cause an allergic skin reaction.
Eye damage or irritation, human experience	Causes serious eye damage.
Inhalation	May cause headache and dizziness.
Skin contact	Irritating. Kan ge allergiskt kontakteksem efter opprepad kontakt.
Eye contact	Risk of serious damage to eyes.
Ingestion	May cause nausea, vomiting. Abdominal pains.

Sensitisation	May cause sensitisation by skin contact.
Assessment of germ cell mutagenicity, classification	The chemical structure does not suggest a mutagenic effect.
Carcinogenicity, other information	Does not present any cancer or reproductive hazards.
Reproductive toxicity	The chemical structure does not suggest such an effect.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Hydrocarbons, terpene processing by-products
Aquatic toxicity, fish	Value: 0,1 -1 mg/l Effect dose concentration : LC50 Exposure time: 96 hour(s)
Substance	Diiron trioxide
Aquatic toxicity, fish	Toxicity type: Acute Value: > 50000 mg/l Effect dose concentration : LC0 Exposure time: 96 hour(s) Species: Danio rerio
Substance	Cobalt bis(2-ethylhexanoate)
Aquatic toxicity, fish	Toxicity type: Chronic Value: 41,6 mg/l Effect dose concentration : LC50 Exposure time: 28 day(s) Species: Cyprinodon variegatus
Substance	Tar, wood
Aquatic toxicity, algae	Toxicity type: Acute Value: 17 mg/l Effect dose concentration : ERC50 Exposure time: 72 h Species: Desmodesmus dubspicatus Value: 3 mg/l Effect dose concentration : NOEC Exposure time: 6 day(s) Species: Desmodesmus dubspicatus
Substance	Hydrocarbons, terpene processing by-products
Aquatic toxicity, algae	Value: 0,1 -1 mg/l Effect dose concentration : EC50 Exposure time: 72 hour(s)
Substance	Diiron trioxide
Aquatic toxicity, crustacean	Toxicity type: Acute Value: > 100 mg/l Effect dose concentration : EC50 Exposure time: 48 hour(s) Species: Daphnia magna

Ecotoxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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12.2. Persistence and degradability

Persistence and degradability description/evaluation	Not readily degradable.
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12.3. Bioaccumulative potential

Bioconcentration factor (BCF)	Comments: Data lacking.
Bioaccumulation, comments	Has the potential to bioaccumulate.

12.4. Mobility in soil

Mobility	Expected to have relatively low mobility in soil.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	The product does not contain any PBT or vPvB substance.
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12.6. Other adverse effects

Additional ecological information	Harmful to aquatic organisms.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Dispose of in compliance with local regulations. Do not allow outlets to sewer or watercourse.
Appropriate methods of disposal for the contaminated packaging	Containers with liquid residues are hazardous waste. Empty containers should be transported to local recycling facility or waste treatment facility.
EWC waste code	EWC waste code: 030205 other wood preservatives containing dangerous substances Classified as hazardous waste: Yes
EWL packing	Classified as hazardous waste: No
Other information	EWC code is only a suggestion, final consumer selects a suitable EWC code.

SECTION 14: Transport information

Dangerous goods	Yes
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14.1. UN number

ADR/RID/ADN	2052
IMDG	2052
ICAO/IATA	2052

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	DIPENTENE
ADR/RID/ADN	DIPENTENE
IMDG	DIPENTENE
ICAO/IATA	DIPENTENE

14.3. Transport hazard class(es)

ADR/RID/ADN	3
Classification code ADR/RID/ADN	F1
IMDG	3
ICAO/IATA	3

14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Product name	DIPENTENE
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Additional information

Hazard label ADR/RID/ADN	3
Hazard label IMDG	3
Hazard label ICAO/IATA	3

ADR/RID Other information

Tunnel restriction code	D/E
Transport category	3
Hazard No.	30

IMDG Other information

EmS	F-E, S-E
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SECTION 15: Regulatory information

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

EEC-directive	2006/121/2006
Biocides	No
Nanomaterial	No
References (laws/regulations)	The product is classified and labelled in accordance with EEC guidelines or national legislation.
Legislation and regulations	Regulation (EC) nr. 2015/830 Regulation (EC) nr. 1272/2008.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

Supplier's notes	These data are based on our best knowledge to date, however they do not imply any guarantee on the properties or quality of the product. In case of uncertainties we advise you to make own tests or ask for written directions from us.
List of relevant H-phrases (Section 2 and 3)	<p>H226 Flammable liquid and vapour. 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. H318 Causes serious eye damage. H319 Causes serious eye irritation. H351 Suspected of causing cancer H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H361f Suspected of damaging fertility. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.</p>
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