SAFETY DATA SHEET

Light Pine Tar Oil

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	02.09.2018

1.1. Product identifier

Product name	Light Pine Tar Oil
Article no.	60700

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

Use of the substance / preparation	Impregnation
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 PC15 Products for treatment of non-metal surfaces
The chemical can be used by the general public	Yes

1.3. Details of the supplier of the safety data sheet

Manufacturer

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 Acute tox. 4; H302 Acute tox. 4; H312 Acute tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Asp. tox. 1; H304 Aquatic Chronic 2; H411
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	Turpentine, vegetable. ~ 50 %, Tar, wood ~ 40 %
Signal word	Danger
Hazard statements	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H304 May be fatal if swallowed and enters airways. H411 Toxic 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. P233 Keep container tightly closed. P261 Avoid breathing vapours. P273 Avoid release to the environment. P280 Wear protective gloves. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P405 Store locked up. P501 Dispose of contents at hazardous or special waste collection point.
EC label	Yes
VOC	Product subcategory : Interior and exterior minimal build woodstains Relevant VOC limit values: 700 g/l Maximum content of VOC: 455 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
Turpentine, vegetable.	CAS No.: 8006-64-2 EC No.: 232-350-7	Aquatic Chronic 2;H411 Asp. tox 1;H304 Skin Sens. 1;H317 Eye Irrit. 2;H319 Skin Irrit. 2;H315 Acute tox. 4;H332 Acute tox. 4;H312 Acute tox. 4;H302 Flam. Liq. 3;H226	~ 50 %
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	~ 40 %
2-ethylhexanoic acid, manganese salt	CAS No.: 15956-58-8 EC No.: 240-085-3 REACH Reg. No.: 01-2119979087-23-XXXX	Eye Irrit. 2; H319 Repr. 2; H361fd STOT SE 2; H373 Asp. tox. 1; H304 Aquatic Chronic 2; H411	< 0,1 %
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 %
Cobalt bis(2-ethylhexanoate)	CAS No.: 136-52-7 EC No.: 205-250-6 REACH Reg. No.: 01-2119524678-29-XXXX	Skin Sens. 1A; H317; Eye Irrit. 2; H319; Repr. 2; H361f; Aquatic Acute 1; H400; M-factor =1; Aquatic Chronic 3; H412; M-factor =1;	< 0,1 %
Alkyd oil	CAS No.: 68410-37-7		~ 10 %
Remarks, substance	See section 16 for explanation of hazard statements (H) listed above.		

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Fresh air and rest. Get medical advice if large amounts have been inhaled or the patient experiences discomfort.
Skin contact	Wash skin thoroughly with soap and water. Get medical advice if irritation persists.
Eye contact	Flush immediately with water for at least 5 minutes. Keep eye wide open while flushing. Get medical attention if any discomfort continues.

Ingestion	DO NOT INDUCE VOMITING! In an emergency, contact the national Poisons Information Centre.

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

General symptoms and effects	No further relevant information available.

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

Specific details on antidotes	No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Dry chemical, foam or carbon dioxide (CO2).
Improper extinguishing media	Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Heating leads to formation of combustible vapour which may form explosive mixture with air.

5.3. Advice for firefighters

Other information	Containers close to fire should be removed immediately or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Use the specified protective equipment. Evacuate the area.

6.2. Environmental precautions

Environmental precautionary measures	Do not allow spill to enter sewers or watercourses. Inform appropriate authorities if large amounts are involved.

6.3. Methods and material for containment and cleaning up

Clean up	Cover drains. Collect with absorbent, non-combustible material into suitable containers. Clean with water.

6.4. Reference to other sections

Other instructions	Absorb in a special absorbent and transport to approved waste management facility.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Always use earth (ground) wire when transferring from one container to another.

	Avoid contact with skin and eyes. Avoid inhalation of vapours.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep away from sources of ignition - No smoking. Store in original container. Keep in a well-ventilated place. Keep container tightly closed.

7.3. Specific end use(s)

Specific use(s)	See Section 1.2

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
Turpentine, vegetable.	CAS No.: 8006-64-2	TWA (8h) : 25 ppm TWA (8h) : 150 mg/m³ **OEL short term value** Value: 50 ppm **OEL short term value** Value: 300 mg/m³	TWA Year: 1990
Cobalt bis(2-ethylhexanoate)	CAS No.: 136-52-7	TWA (8h) : 100 mg/m³ TWA (8h) : 15 ppm **OEL short term value** Value: 200 mg/m³ **OEL short term value** Value: 30 ppm	

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	Avoid contact with skin and eyes. Eye wash facilities and emergency shower must be available when handling this product. Keep containers closed, as much as possible. No smoking, fire, sparks or welding. Provide good ventilation.

Eye / face protection

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

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.
Breakthrough time	Value: > 480 minute(s) Comments: Change protective gloves regularly in order to avoid penetration problems.
Thickness of glove material	Value: ≥ 0,38 mm

Skin protection

Skin protection remark	Protective clothing must be worn if there is a possibility of direct contact or splashes.

Respiratory protection

Respiratory protection necessary at	Use respiratory protection when handling the product in confined areas. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
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	Free-flowing liquid.
Colour	Yellowish brown
Odour	Tar.
Odour limit	Comments: Not determined.
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Value: > 140 °C
Flash point	Value: 35 °C
Vapour pressure	Comments: No data recorded.
Density	Value: ~ 950 kg/m³ Temperature: 20 °C
Solubility	Comments: Soluble in organic solvents.

9.2. Other information

Other physical and chemical properties

Comments	No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Keep away from heat / sparks / open flames / hot surfaces. — No smoking.

10.2. Chemical stability

Stability	Stable with normal handling.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid	No information available.

10.5. Incompatible materials

Materials to avoid	Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	No formation of hazardous decomposition products are expected under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Turpentine, vegetable.
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LC50 **Route of exposure:** Inhalation. **Duration:** 6 h **Value:** 12000 mg/m³ **Animal test species:** rat **Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** 5760 mg/kg **Animal test species:** rat
Substance	Tar, wood
Acute toxicity	**Effect tested:** LD50 **Route of exposure:** Oral **Method:** OECD 423 **Value:** > 2000 mg/kg **Animal test species:** Rat
Substance	Cobalt bis(2-ethylhexanoate)
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Method:** OECD 425 **Value:** 3.129 mg/kg

	Animal test species: Rat **Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Dermal **Method:** OECD 402 **Value:** > 2.000 mg/kg **Animal test species:** Rat

Other information regarding health hazards

Acute toxicity, human experience	Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.
Skin corrosion / irritation, human experience	May cause an allergic skin reaction. Causes skin irritation.
Eye damage or irritation, human experience	Causes serious eye irritation.
Inhalation	May cause: dizziness, fatigue, headache, indisposition.
Skin contact	Defats the skin; may cause cracking and dermatitis.
Eye contact	May irritate the eyes. Stinging.
Ingestion	Smarting in mouth and throat. Abdominal pains. Vomiting. Causes similar symptoms as by inhalation. Chemical pneumonitis may develop in from a few hours to up to a day after ingestion of the product, or if vomit has entered the lungs.
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	Cobalt bis(2-ethylhexanoate)
Acute aquatic, fish	**Toxicity type:** Chronic **Value:** 41,6 mg/l **Effect dose concentration :** LC50 **Exposure time:** 28 day(s) **Species:** Cyprinodon variegatus
Substance	Tar, wood
Acute aquatic, 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	Cobalt bis(2-ethylhexanoate)
Acute aquatic, algae	**Toxicity type:** Chronic **Value:** 0,0197 mg/l **Effect dose concentration :** EC10 **Exposure time:** 7 day(s) **Species:** Ceriodaphnia dubia
Ecotoxicity	May cause longterm adverse effects in the aquatic environment.

12.2. Persistence and degradability

Persistence and degradability, comments	Not readily degradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Has the potential to bioaccumulate.

12.4. Mobility in soil

Mobility	Product will float on water surface.

12.5. Results of PBT and vPvB assessment

PBT assessment results	The product does not contain any PBT or vPvB substance.

12.6. Other adverse effects

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Dispose of in compliance with local regulations. Residues must be treated as hazardous waste.
EWC waste code	EWC waste code: 030205 other wood preservatives containing dangerous substances Classified as hazardous waste: No
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

14.1. UN number

ADR / RID / ADN	1299
IMDG	1299
ICAO / IATA	1299

14.2. UN proper shipping name

Proper shipping name english ADR / RID / ADN	TURPENTINE
ADR / RID / ADN	TURPENTINE
IMDG	TURPENTINE
ICAO / IATA	TURPENTINE

14.3. Transport hazard class(es)

ADR / RID / ADN	3
Classificaton 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

ADR / RID / ADN	Yes
IMDG	Yes
IMDG Marine pollutant	Yes

14.6. Special precautions for user

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

Product name	TURPENTINE

Additional information

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

ADR / RID - Other information

Tunnel restriction code	D/E
Transport category	3
Hazard No.	30
RID other applicable information	30

IMDG / ICAO / IATA Other information

EmS	F-E, S-E

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

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)	H226 Flammable liquid and vapour. 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. H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H361f Suspected of damaging fertility. H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Version	8
Expired date	02.09.2021