SAFETY DATA SHEET

Pine Tar Vitriol

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	23.07.2018

1.1. Product identifier

Product name	Pine Tar Vitriol
Article no.	60590

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 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 - 55 %, Tar, wood 40 -45 %
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 dust/fume/mist. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing. 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 : Woodstain, oil or varnish for interior and exterior use. Relevant VOC limit values: 700 g/l Maximum content of VOC: 487 g/l

2.3. Other hazards

Hazard description, general	Flammable
Other hazards	None

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 - 55 %
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 -45 %
Naphtha (petroleum) , hydrotreated heavy, benzene < 0,1%	CAS No.: 64742-48-9 EC No.: 919-857-5 Index No.: 649-327-00-6 REACH Reg. No.: 01-2119463258-33-xxxx	Flam. Liq. 3; H226 Asp. tox. 1; H304 STOT SE 3; H336 EUH 066	2 - 3 %
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 direct water jet that could spread the 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. Spontaneous combustion hazard.

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

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
Naphtha (petroleum) , hydrotreated heavy, benzene < 0,1%	CAS No.: 64742-48-9	TWA (8h) : 50 ppm TWA (8h) : 300 mg/m³ **OEL short term value** Value: 100 ppm **OEL short term value** Value: 600 mg/m³	TWA Year: 2011
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	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	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

	Wash and dry hands.
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.
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	Greyish 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: ~ 940 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	Naphtha (petroleum), hydrotreated heavy, benzene < 0,1%
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** > 2000 mg/kg **Animal test species:** rat rabbit rat **Type of toxicity:** Acute

	Effect tested: LD50 **Route of exposure:** Dermal **Value:** > 2000 mg/kg **Animal test species:** rabbit **Type of toxicity:** Acute **Effect tested:** LC50 **Route of exposure:** Inhalation. **Duration:** 4h **Value:** > 5000 mg/m³ **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.
Eye damage or irritation, human experience	Causes serious eye irritation.
Inhalation	May cause slight irritation to the mucous membranes in the nose and upper respiratory tract. May cause: dizziness, fatigue, headache, indisposition.
Skin contact	Defats the skin. May cause an allergic skin reaction.
Eye contact	Risk of serious damage to eyes. Causes burns.
Ingestion	Smarting in mouth and throat. Abdominal pains. Vomiting. Causes similar symptoms as by inhalation. Chemical pneumonitis may develop if vomit which contains product enters 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.
Aspiration hazard, comments	Aspiration may cause chemical pneumonitis.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Naphtha (petroleum), hydrotreated heavy, benzene < 0,1%
Acute aquatic, fish	**Value:** > 100 mg/L **Test duration:** 96h **Method:** LC50
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	Naphtha (petroleum), hydrotreated heavy, benzene < 0,1%
Acute aquatic, algae	**Value:** > 100 mg/L **Test duration:** 72h **Method:** EC50
Substance	Naphtha (petroleum), hydrotreated heavy, benzene < 0,1%
Acute aquatic, Daphnia	**Value:** > 100 mg/L **Test duration:** 48h **Method:** EC50
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	No information available

12.4. Mobility in soil

Mobility	No data available.

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: 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

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
Additional information	Limited quantity

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)	EUH 066 Repeated exposure may cause skin dryness or cracking. 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. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
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