

## 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	14.09.2016
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### 1.1. Product identifier

Product name	Pine Tar Vitriol
Chemical name	Tar solution
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

### 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	<a href="mailto:nina.nyth@auson.se">nina.nyth@auson.se</a>
Website	<a href="http://www.auson.se/">http://www.auson.se/</a>
Contact person	Nina Nyth

### 1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: SOS Alarm
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## SECTION 2: Hazards identification

### 2.1. Classification of substance or mixture

Classification according to 67/548/EEC or 1999/45/EC	Xn,N; R10,R20/21/22,R36/38,R43,R51/53,R65
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

### 2.2. Label elements

EC label	Yes
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#### Hazard pictograms (CLP)



Composition on the label	Turpentine, vegetable. 50 – 55 %, Pine Tar 40 – 45 %, Naphtha (petroleum), hydrotreated heavy, benzene < 0,1% 2 – 3 %
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.
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

Description of hazard	Flammable Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.
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	Xn,N; R10,R20/21/22,R36/ 38,R43,R51/53,R65 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 %
Pine Tar	CAS No.: 8011-48-1 EC No.: 232-374-8	Xi; R43 R52/53 Skin Sens. 1;H317 Aquatic Chronic 3; H412	40 – 45 %
Naphtha (petroleum) , hydrotreated heavy, benzene < 0,1%	CAS No.: 64742-48-9 EC No.: 265-150-3 Index No.: 649-327-00-6	Xn; R10,R65,R66,R67 Flam. Liq. 3; H226 Asp. tox 1; H304 STOT SE3; H336 EUH 066	2 – 3 %
Remarks, substance	See section 16 for explanation of Risk-phrases (R) and 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	Remove contaminated clothing. 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	Immediately give a few tablespoons of cooking oil, sour cream, cream, or melted ice cream (NB! large amounts of fat) if the patient is fully conscious. 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.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Specific details on antidotes	No information available.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Dry chemical, foam or carbon dioxide (CO <sub>2</sub> ).
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.
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### 5.3. Advice for firefighters

Other information	Containers close to fire should be removed immediately or cooled with water.
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## 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.
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### 6.2. Environmental precautions

Environmental precautionary measures	Do not allow spill to enter sewers or watercourses. Inform appropriate authorities if large amounts are involved.
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### 6.3. Methods and material for containment and cleaning up

Cleaning method	Avoid release to the environment. Cover drains.
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### 6.4. Reference to other sections

Other instructions	Absorb in a special absorbent and transport to approved waste management facility.
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## 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.
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### 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
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Special risks and properties	well-ventilated place. Keep container tightly closed. Avoid contact with strong oxidizing agents.
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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	Value	TWA Year
Turpentine, vegetable.	CAS No.: 8006-64-2	TWA (8h) : 25 ppm	TWA Year: 1990
	EC No.: 232-350-7	TWA (8h) : 150 mg/m <sup>3</sup>	
		<b>OEL short term value</b> Value: 50 ppm	
Naphtha (petroleum) , hydro-treated heavy, benzene < 0,1%	CAS No.: 64742-48-9	TWA (8h) : 50 ppm	TWA Year: 2011
	EC No.: 265-150-3	TWA (8h) : 300 mg/m <sup>3</sup>	
	Index No.: 649-327-00-6	<b>OEL short term value</b> Value: 100 ppm	
		<b>OEL short term value</b> Value: 600 mg/m <sup>3</sup>	

### DNEL / PNEC

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

### 8.2. Exposure controls

Limitation of exposure on workplace	Provide good ventilation. Keep containers closed, as much as possible. No smoking, fire, sparks or welding. Eyewash facilities should be available at the workplace.
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### Safety signs



### Respiratory protection

Respiratory protection	Wear suitable respiratory equipment if ventilation is insufficient. Respirator with A filter (brown).
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### Hand protection

Hand protection	Protective gloves must be used if there is a risk of direct contact or splashes. Use suitable protective gloves made of nitrile rubber.
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**Eye / face protection**

Eye protection	Wear approved, tight fitting safety glasses where splashing is probable.
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**Skin protection**

Skin protection (except hands)	Protective clothing must be worn if there is a possibility of direct contact or splashes.
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**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.
Specific gravity	Value: = 940 kg/m <sup>3</sup> Temperature: 20 °C
Solubility description	Soluble in organic solvents.
Solubility in water	Slight soluble in water

**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	Keep away from heat / sparks / open flames / hot surfaces. — No smoking.
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**10.2. Chemical stability**

Stability	Stable with normal handling.
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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

### Toxicological data for substances

Substance	Turpentine, vegetable.
Acute toxicity	<p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LC50  <b>Route of exposure:</b> Inhalation.  <b>Duration:</b> 6 h  <b>Value:</b> 12000 mg/m<sup>3</sup>  <b>Animal test species:</b> rat</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> 5760 mg/kg  <b>Animal test species:</b> rat</p>
Substance	Naphtha (petroleum), hydrotreated heavy, benzene < 0,1%
Acute toxicity	<p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> &gt; 2000 mg/kg  <b>Animal test species:</b> rat</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Dermal  <b>Value:</b> &gt; 2000 mg/kg  <b>Animal test species:</b> rabbit</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LC50  <b>Route of exposure:</b> Inhalation.  <b>Duration:</b> 4h  <b>Value:</b> &gt; 5000 mg/m<sup>3</sup>  <b>Animal test species:</b> rat</p>

### Acute toxicity, Mixture estimate

Acute toxicity, human experience	No aspiration hazards known.
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## Potential acute effects

Inhalation	May cause slight irritation to the mucous membranes in the nose and upper respiratory tract. May cause Headache. Dizziness. Fatigue.
Skin contact	Defats the skin. Irritating to skin.
Eye contact	May cause irritation/smarming.
Ingestion	Smarming 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.
Skin corrosion / irritation, human experience	May cause an allergic skin reaction.
Aspiration hazard, comments	Aspiration may cause chemical pneumonitis.
Eye damage or irritation, human experience	Causes serious eye irritation.

## Delayed effects / repeated exposure

STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.

## Carcinogenic, Mutagenic or Reprotoxic

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

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity	May cause longterm adverse effects in the aquatic environment.
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### Toxicological data for substances

Substance	Naphtha (petroleum), hydrotreated heavy, benzene < 0,1%
Acute aquatic, fish	<b>Value:</b> > 100 mg/L <b>Test duration:</b> 96h <b>Method:</b> LC50
Acute aquatic, algae	<b>Value:</b> > 100 mg/L <b>Test duration:</b> 72h <b>Method:</b> EC50
Acute aquatic, Daphnia	<b>Value:</b> > 100 mg/L <b>Test duration:</b> 48h <b>Method:</b> EC50
Aquatic, comments	Low toxicity for aquatic organisms. Available data indicates that only larger local discharges may cause a risk.



## 12.2. Persistence and degradability

Persistence and degradability, comments	Not readily degradable.
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## 12.3. Bioaccumulative potential

Bioaccumulative potential	No information available
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## 12.4. Mobility in soil

Water solubility	Comments: Insoluble in water
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## 12.5. Results of PBT and vPvB assessment

PBT assessment results	The product does not contain any PBT or vPvB substance.
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## 12.6. Other adverse effects

Other adverse effects, comments	Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.
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## 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.
Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	No
EWC waste code	EWC: 03 02 05 other wood preservatives containing dangerous substances

## SECTION 14: Transport information

### 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	Pine Tar Vitriol
ADR / RID / ADN	TURPENTINE
IMDG	TURPENTINE
ICAO / IATA	TURPENTINE

### 14.3. Transport hazard class(es)

ADR / RID / ADN	3
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

EmS	F-E, S-E
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#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

##### Additional information

Additional information	Limited quantity
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##### ADR / RID - Other information

Hazard No.	30
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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
References (laws/regulations)	The product is classified and labelled in accordance with EEC guidelines or national legislation.
Legislation and regulations	Regulation (EC) nr. 1907/2006 Regulation (EC) nr. 1272/2008.

#### 15.2. Chemical safety assessment

Chemical safety assessment performed	No
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## SECTION 16: Other information

R-phrases	R10 Flammable. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R36/38 Irritating to eyes and skin. R43 May cause sensitization by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in
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S-phrases	<p>the aquatic environment. R65 Harmful: may cause lung damage if swallowed.</p> <p>S-2 Keep out of the reach of children. S-51 Use only in well-ventilated areas. S-56 Dispose of this material and its container at hazardous or special waste collection point. S-62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.</p>
Supplier's notes	<p>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.</p>
List of relevant R-phrases (under headings 2 and 3).	<p>R43 May cause sensitization by skin contact.  R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  R65 Harmful: may cause lung damage if swallowed.  R36/38 Irritating to eyes and skin.  R67 Vapours may cause drowsiness and dizziness.  R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  R10 Flammable.  R66 Repeated exposure may cause skin dryness or cracking.  R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>
List of relevant H-phrases (Section 2 and 3)	<p>H302 Harmful if swallowed.  H412 Harmful to aquatic life with long lasting effects.  H304 May be fatal if swallowed and enters airways.  H226 Flammable liquid and vapour.  H336 May cause drowsiness or dizziness.  H315 Causes skin irritation.  H332 Harmful if inhaled.  H317 May cause an allergic skin reaction.  EUH 066 Repeated exposure may cause skin dryness or cracking.  H312 Harmful in contact with skin.  H411 Toxic to aquatic life with long lasting effects.  H319 Causes serious eye irritation.</p>
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	<p>Flam. Liq. 3; H226;  Acute tox. 4; H302;  Asp. tox 1; H304;  Acute tox. 4; H312;  Skin Irrit. 2; H315;  Skin Sens. 1; H317;  Eye Irrit. 2; H319;  Acute tox. 4; H332;  Aquatic Chronic 2; H411;</p>
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