

SAFETY DATA SHEET

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 |
|-------------|------------|

| | |
|---------------|------------|
| Revision date | 26.07.2021 |
|---------------|------------|

1.1. Product identifier

| | |
|--------------|--------------|
| Product name | Pine Tar Oil |
|--------------|--------------|

| | |
|-----|---------------------|
| UFI | 20J1-80RN-F00N-DJGG |
|-----|---------------------|

| | |
|-------------|-------|
| 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 |
|--------------------------|--|

| | |
|------------------|-----|
| Professional use | Yes |
|------------------|-----|

| | |
|--------------|-----|
| Consumer use | Yes |
|--------------|-----|

1.3. Details of the supplier of the safety data sheet

Manufacturer

| | |
|--------------|----------|
| Company name | Auson AB |
|--------------|----------|

| | |
|----------------|------------------|
| Postal address | Verkstadsgatan 3 |
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| | |
|----------|----------|
| Postcode | S-434 42 |
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| | |
|------|------------|
| City | KUNGSBACKA |
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| | |
|---------|---------|
| Country | SVERIGE |
|---------|---------|

| | |
|------------------|----------------|
| Telephone number | +46 300-562000 |
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|-----|----------------|
| Fax | +46 300-562021 |
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| | |
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| Email | nina.nyth@auson.se |
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| | |
|---------|---|
| 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. |
| 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

| Composition type | Mixture | | | |
|--------------------------------------|--|---|----------|-------|
| Substance | Identification | Classification | Contents | Notes |
| Turpentine, vegetable. | CAS No.: 8006-64-2 EC No.: 232-350-7 REACH Reg. No.: 01-2119553060-53-XXXX | 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 % | 1 |
| 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 % | 1 |
| 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 % | 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 % | 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 |
| Alkyd oil | CAS No.: 68410-37-7 | | ~ 10 % | |

¹Substance classified with a health or environmental hazard

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| Remarks, substance | See section 16 for explanation of hazard statements (H) listed above. |
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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
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| 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 (CO ₂). |
| 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

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|----------------------------|---|
| Fire and explosion hazards | Heating leads to formation of combustible vapour which may form explosive mixture with air. |
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5.3. Advice for firefighters

| | |
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| 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

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| 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

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| Clean up | Cover drains. Collect with absorbent, non-combustible material into suitable containers. Clean with water. |
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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 | Exposure limits | TWA Year |
|------------------------------|--|--|----------------|
| Turpentine, vegetable. | CAS No.: 8006-64-2 | Limit value (8 h) : 25 ppm Limit value (8 h) : 150 mg/m ³ Limit value (short term) Value: 50 ppm Limit value (short term) Value: 300 mg/m ³ | TWA Year: 1990 |
| 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 | 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. |
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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: $\geq 0,38$ mm |

Skin protection

| | |
|------------------------|---|
| Skin protection remark | Protective clothing must be worn if there is a possibility of direct contact or splashes. |
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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. |
| pH | Comments: N/A |
| 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/m ³ Temperature: 20 °C |
| Solubility | Comments: Soluble in organic solvents. |

9.2. Other information

Physical hazards

| | |
|---------------------------------|--|
| Number average molecular weight | Reason for waiving data: Cannot be determined. |
|---------------------------------|--|

9.2.2. Other safety characteristics

| | |
|----------|--|
| 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. |
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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. |
|------------------------------------|-------------------------------|

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

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| 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 | Turpentine, vegetable. |
| Acute toxicity | Type of toxicity: Acute Effect tested: LC50 Route of exposure: Inhalation. Duration: 6 h |

| | |
|----------------|--|
| | <p>Value: 12000 mg/m³ Animal test species: rat</p> <p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 5760 mg/kg Animal test species: rat</p> |
| Substance | Tar, wood |
| Acute toxicity | <p>Effect tested: LD50 Route of exposure: Oral Method: OECD 423 Value: > 2000 mg/kg 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 | 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. |
| General respiratory or skin sensitisation | May cause an allergic skin reaction. |
| 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. |
| Specific target organ toxicity - single exposure, human experience | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - repeated exposure, human experience | Based on available data, the classification criteria are not met. |
| Aspiration hazard, comments | Aspiration may cause chemical pneumonitis. |

11.2 Other information

| | |
|----------------------|--|
| Endocrine disruption | This product does not contain any known or suspected endocrine disruptors. |
|----------------------|--|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------------------|---|
| Substance | Turpentine, vegetable. |
| Aquatic toxicity, fish | Value: 29 mg/l Test duration: 96 hour(s) Species: Danio rerio Method: LL50 Test reference: ECHA |
| 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 | Turpentine, vegetable. |
| Aquatic toxicity, algae | Value: 17,1 mg/l Test duration: 72 hour(s) Species: Desmodesmus subspicatus Method: EL50 Test reference: ECHA |
| 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 | Cobalt bis(2-ethylhexanoate) |
| Aquatic toxicity, algae | Toxicity type: Chronic |

| | |
|------------------------------|---|
| | Value: 0,0197 mg/l Effect dose concentration: EC10 Exposure time: 7 day(s) Species: Ceriodaphnia dubia |
| Substance | Turpentine, vegetable. |
| Aquatic toxicity, crustacean | Value: 8,8 mg/l Test duration: 48 hour(s) Species: Daphnia magna Method: EL50 Test reference: ECHA |
| Ecotoxicity | May cause longterm adverse effects in the aquatic environment. |

12.2. Persistence and degradability

| | |
|--|--|
| Persistence and degradability description/evaluation | Not readily degradable. |
| Substance | Turpentine, vegetable. |
| Biodegradability | Value: 71,7 % Method: O2 consumption Test period: 28 day(s) |

12.3. Bioaccumulative potential

| | |
|---------------------------|-------------------------------------|
| Bioaccumulation, comments | Has the potential to bioaccumulate. |
|---------------------------|-------------------------------------|

12.4. Mobility in soil

| | |
|----------|---------------------------------|
| Mobility | Product float on water surface. |
|----------|---------------------------------|

12.5. Results of PBT and vPvB assessment

| | |
|------------------------------------|---|
| Results of PBT and vPvB assessment | The product does not contain any PBT or vPvB substance. |
|------------------------------------|---|

12.6. Endocrine disrupting properties

| | |
|---------------------------------|--|
| Endocrine disrupting properties | This product does not contain any known or suspected endocrine disruptors. |
|---------------------------------|--|

12.7. Other adverse effects

| | |
|-----------------------------------|--|
| Additional ecological information | Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment. |
|-----------------------------------|--|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Appropriate methods of disposal for the chemical | Dispose of in compliance with local regulations. Residues must be treated as hazardous waste. |
| 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 |
|-----------------|-----|

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 |
| 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

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

14.6. Special precautions for user

| | |
|-------------------------------------|----------------|
| Special safety precautions for user | Not applicable |
|-------------------------------------|----------------|

14.7. Maritime transport in bulk according to IMO instruments

| | |
|--------------|------------|
| Product name | TURPENTINE |
|--------------|------------|

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 |
| Other applicable information ADR/RID | 30 |

IMDG 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

10

Expired date

26.07.2024