SAFETY DATA SHEET
KÄHRS SATIN OIL (This applies for all Kährs Satin Oils products with the following article no: 710553, 710573, 710585, 710586, 710587, 710588, 710589)

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 24.09.2014

1.1. Product identifier

Product name KÄHRS SATIN OIL (This applies for all Kährs Satin Oils products with the following article no: 710553, 710573, 710585, 710586, 710587, 710588, 710589)

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

Use of the substance/preparation For maintaining oiled surfaces.

1.3. Details of the supplier of the safety data sheet

Company name Arboritec AB
Postal address Olof Wijksväg 9
Postcode SE-444 65
City Jörlanda
Country Sverige
Tel 0303-563 30
Fax 0303-563 32
E-mail post@arboritec.com
Website http://www.arboritec.com
Contact person Jörgen Kaldemark

1.4. Emergency telephone number

Emergency telephone In case of medical emergency call:112

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] EUH 066;

2.2. Label elements

Composition on the label n-Paraffin C5-20:75 - 100 %
Hazard statements EUH 066 Repeated exposure may cause skin dryness or cracking.
Precautionary statements P280 Wear protective gloves/protective clothing/eye protection/face protection.
2.3. Other hazards

Other hazards: When spray applying see section 8.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Classification</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Paraffin C5-20</td>
<td>CAS no.: 64771-72-8</td>
<td>Xn; R65, R66</td>
<td>75 - 100 %</td>
</tr>
<tr>
<td></td>
<td>EC no.: 265-233-4</td>
<td>Asp. tox 1; H304;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Registration number: 02-2119675247-30-0000</td>
<td>EUH 066;</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

General
- Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.

Inhalation
- Use with adequate ventilation.
- Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration.
- Never give anything by mouth to an unconscious person. Get medical advice/attention.

Skin contact
- Remove/Take off immediately all contaminated clothing.
- IF ON SKIN: Wash with plenty of soap and water. Do NOT use solvents or thinners.

Eye contact
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion
- Do NOT induce vomiting.
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Risk of aspiration or chemical pneumonia.

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

General symptoms and effects
- No specific symptoms exist.

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

Medical treatment
- No specific treatment necessary.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
- Recommended extinguishing media: alcohol resistant foam, CO2, powders, water spray. Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards
- Fire will produce dense black smoke. Decomposition products can be hazardous. At high temperatures create: Carbon monoxide (CO), carbon dioxide (CO2), smoke, nitrogen gases (NOx).

5.3. Advice for firefighters

Personal protective equipment
- Wear respiratory protection.

Other Information
- Eliminate all ignition sources if safe to do so. Do not allow run-off from fire.
**SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

<table>
<thead>
<tr>
<th>General measures</th>
<th>Refer to protective measures listed in sections 7 and 8.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal protection measures</strong></td>
<td>In case of inadequate ventilation wear respiratory protection. Wear flame resistant / retardant clothing. Use personal protective equipment as required. Wear cold insulating gloves / face shield / eye protection. Wear protective gloves / protective clothing / eye protection / face protection. Avoid breathing dust / fume / gas / mist / vapours / spray. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.</td>
</tr>
</tbody>
</table>

### 6.2. Environmental precautions

| Environmental precautionary measures | Avoid release to the environment. Collect spillage. If the product contaminates lakes, rivers or sewers, inform appropriate authorities in accordance with local regulations. |

### 6.3. Methods and material for containment and cleaning up

| Cleaning method | Keep away from sources of ignition and ventilate the area. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents. |
| Containment | Store in a well-ventilated place. |

### 6.4. Reference to other sections

**SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

| Handling | Vapours may form explosive mixtures with air. Avoid spilling, skin- and eye contact. Avoid breathing dust / fume / gas / mist / vapours / spray. Avoid breathing dust. |

**Protective Safety Measures**

| Protective Safety Measures | Remove contaminated clothing and protective gear before you get to an area where meals are taken. |
| Safety Measures To Prevent fire | Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Do not eat, drink or smoke when using this product. |

**Additional information**

| Never use pressure to empty : container is not a pressure vessel. For personal protection see Section 8. |

### 7.2. Conditions for safe storage, including any incompatibilities

| Storage | Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight. Store in a dry place. Comply with the health and safety at work laws. Store in accordance with applicable regulations for good chemical practice. |
| Conditions To Avoid | Keep away from heat / sparks / open flames / hot surfaces. — No smoking. Protect from sunlight. Keep away from oxidizing agents, from strongly alkaline... |
and strongly acid materials. Prevent unauthorized access.

**Conditions for safe storage**

**Storage Temperature**

Value: 5-25 Celsius

**7.3. Specific end use(s)**

**Recommendations**

Do not handle until all safety precautions have been read and understood.

**Specific end users**

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational Exposure limit values**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Value</th>
<th>TWA Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Paraffin C5-20</td>
<td>CAS no.: 64771-72-8</td>
<td>8-hour TWA: 350 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC no.: 265-233-4</td>
<td>15 min.: 500 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Registration number: 02-2119675247-30-0000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8.2. Exposure controls

**Precautionary measures to prevent exposure**

**Appropriate engineering controls**

Use with adequate ventilation. If possible this should be achieved by local extraction and good exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory equipment.

**Respiratory protection**

Respiratory protection with gas filter (brown A) must be used if air concentration exceeds acceptable level (OEL).

**Mask type**

When spraying, use half-or full face mask with filter P2 (IIb) to spray.

**Hand protection**

Wear cold insulating gloves / face shield / eye protection.

**Skin-/ hand protection, long term contact**

Vid långvarig eller upprepad kontakt använd handskar gjorda av t.ex. neopren (1-4h) eller nitril (>4h).

**Suitable materials**

Barrier creams may help to protect the skin, but they should however not be used once exposure has occurred.

**Eye / face protection**

**Suitable Eye Protection**

Wear cold insulating gloves / face shield / eye protection.

**Skin protection**

**Skin protection (except hands)**

Wear fire / flame resistant / retardant clothing.

**Exposure controls**

Safety measures for consumer use of the chemical

Read label before use.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>As solvent.</td>
</tr>
<tr>
<td>Comments, Odour limit</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Comments, pH (as supplied)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Comments, pH (aqueous solution)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Comments, Melting point / melting range</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Comments, Boiling point / boiling range</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>
Flash point Value: 65 °C
Comments, Evaporation rate Not determined.
Flammability (solid, gas) flammable class 3
Lower explosion limit with unit of measurement Value: 0,6 %
Upper explosion limit with units of measurement Value: 6,5 %
Comments, Vapour pressure Not determined.
Comments, Vapour density Not determined.
Specific gravity Value: 0,78 g/ml
Method of testing: ASTM 6450
Test temperature: 20 °C
Solubility in water Non-soluble.
Comments, Partition coefficient: n-octanol / water Not applicable.
Viscosity Value: > 20,5 mm2/s
Test temperature: 40 °C
Explosive properties Not explosive.

9.2. Other information

<table>
<thead>
<tr>
<th>Content Of Voc</th>
<th>Value: 771 g/ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comments: initial boiling point less than or equal to 250°C</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity No reactive.

10.2. Chemical stability
Stability Stable under recommended storage and handling conditions (see section 7).
Risk of self-ignition in porous materials such as insulation, rags and the like.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions No dangerous if handled according to Technical Information.

10.4. Conditions to avoid
Conditions to avoid No applicable.

10.5. Incompatible materials
Materials to avoid Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reaction.

10.6. Hazardous decomposition products
Hazardous decomposition products When exposed to high temperature may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological data for substances

Potential acute effects

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>Prolonged or repeated skin contact may cause irritation, dry skin, cracked skin and possibly eczema.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>May cause irritation in eyes.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Ingestion may cause nausea and vomiting. Pneumonia may occur if the</td>
</tr>
</tbody>
</table>
product by swallowing or vomiting is drawn into the respiratory tract.

Skin corrosion / irritation, other information
No information available.

Aspiration hazard, human experience
When applying see section 8.

Eye damage or irritation other information
If splashed in the eyes, the liquid may cause irritation and reversible damage.

Delayed effects / repeated exposure

Eye contact
No information available.

General respiratory or skin sensitisation
Prolonged or repeated contact may defat the skin, resulting in non-allergic contact eczema and absorption through the skin.

STOT-single exposure
No information available.

STOT-repeated exposure
No information available.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenic human experience
No information is available.

Germ Cell Mutagenicity, human experience
No information available.

Reproductive toxicity
No information available.

SECTION 12: Ecological information

12.1. Toxicity
Aquatic, comments
Low toxicity to aquatic organisms

Toxicological data for substances

12.2. Persistence and degradability

12.3. Bioaccumulative potential
Bioaccumulative potential
Not determined.

12.4. Mobility in soil
Mobility
Not determined.

12.5. Results of PBT and vPvB assessment
PBT assessment results
Not classified as PBT / vPvB of current EU criteria.

12.6. Other adverse effects
Other adverse effects / Remarks
None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Specify the appropriate methods of disposal
Collect spillage. Avoid release to the environment. Wastes and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Product classified as hazardous waste
Yes

EWC waste code
EWC: 08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

SECTION 14: Transport information

14.1. UN number
Comments
Not dangerous goods.
Transport in accordance with national law and ADR for road, RID for rail, IMDG for sea and ICAO / IATA for air. For complete information on transport, see transport document.
14.2. UN proper shipping name
ADR ---
RID ---
IMDG ---
ICAO/IATA ---

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards
IMDG Marine pollutant Nej

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

Legislation and regulations

Classification and labeling of substances under Directive 67/548/EC, 1999/45/EC, see section 3.

Classification and labeling of substances according to Regulation (EC) 1272/2008 (CLP) is in section 3.
The labeling of the product according to EC directives 67/548/EEC, 1999/45/EC, see section 2.

Classification and labeling of substances according to Regulation (EC) 1272/2008 (CLP) is in section 2.

Safety data sheet is designed according to EU Commission Regulation No. 1907/2006.

15.2. Chemical safety assessment

Chemical safety assessment performed

No

SECTION 16: Other information

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]; EUH 066;

List of relevant R-phrases (under headings 2 and 3).
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

List of relevant H-phrases (Section 2 and 3).
H304 May be fatal if swallowed and enters airways.
EUH 066 Repeated exposure may cause skin dryness or cracking.

Version 1

Responsible for safety data sheet Arboritec AB

Comments
The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products’ properties.