1. **IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

Product Information:
Product Name: Violin Rosin, thick
Article no.: 79282
Application: Artists’ and Restoration Material

Company: Kremer Pigmente GmbH & Co. KG
Hauptstrasse 41-47, D - 88317 Aichstetten
Tel. +49 7565 914480 Fax. +49 7565 1606
www.kremer-pigmente.de, kremer-pigmente@t-online.de

2. **COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical characterization:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>EINECS</th>
<th>EG No.</th>
<th>Hazard Labeling</th>
<th>Classification Risk Phrases</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burgundy Resin</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>10, 20/21/22, 36/38, 43, 51/53, 65</td>
<td>50 – 55 %</td>
</tr>
<tr>
<td>Fir turpentine</td>
<td>8006-64-2</td>
<td>232-350-7</td>
<td>650-002-00-6</td>
<td>Xn, N</td>
<td></td>
<td>40 – 45 %</td>
</tr>
<tr>
<td>Larch turpentine</td>
<td>-</td>
<td>294-466-4</td>
<td>-</td>
<td>Xn</td>
<td>20/21/22</td>
<td>~ 5 %</td>
</tr>
</tbody>
</table>

3. **HAZARDS IDENTIFICATION**

<table>
<thead>
<tr>
<th>Xn</th>
<th>Harmful</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>Environmentally hazardous</td>
</tr>
</tbody>
</table>

Risk 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 the aquatic environment.
R65: Harmful: May cause lung damage if swallowed.

4. **FIRST AID MEASURES**

General information: Remove contaminated clothing. Remove affected persons from danger area.
After skin contact: Wash immediately with soap and rinse with plenty of water.
After eye contact: Flush eye with a large amount of water for several minutes. Contact physician immediately.

After ingestion: Do not induce vomiting: seek medical advice immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray, foam, CO2, extinguishing powder. Extinguish larger fire with water spray or alcohol-resistant foam.

Unsuitable extinguishing media: Direct water spray.

Personal protective equipment: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear appropriate protective equipment. Keep unauthorized persons away. Avoid ignitable sources. Do not breathe fumes/vapor. Avoid contact with eyes and skin.

Measures for environmental protection: Keep away from sewerage system, waterways and earth.

Methods of cleaning/absorption: Contain spills with inert material (sand, acid binder, universal binder, etc.). Transfer to separate suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling:
Instructions on safe handling: Avoid formation and deposition of dust. Provide good ventilation when handling large quantities.

Information on fire and explosion protection: Keep away from sources of ignition. No not smoke. Take precautionary measures against static discharges.

Storage:
Storage conditions: Do not store together with flammable or explosive substances. Keep container dry.

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.
Components with workplace control parameters:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Description</th>
<th>Content %</th>
<th>Parameter</th>
<th>Value</th>
<th>Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>8006-64-2</td>
<td>Fir Turpentine</td>
<td>100</td>
<td>MAK</td>
<td>560 mg/m³, 100 ppm</td>
<td>Sensitization of skin possible</td>
</tr>
</tbody>
</table>

**Personal protective equipment**

**General protective measures:** Follow the usual good standards of occupational hygiene. Take off contaminated clothing immediately. Avoid eye and skin contact. Do not inhale gases/fumes/aerosols. Wash hands before breaks and after work.

**Respiratory protection:** Wear filter respirator in case of short-term or low exposure, and wear a self-contained breathing apparatus in case of long-term or higher exposure.

**Hand protection:** Protective gloves. The glove material must be adequate to handle this product: nitrile rubber, 0.35 mm; penetration time: 8h

**Eye protection:** Safety glasses with protective shields.

**Body protection:** Protective clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Form:** liquid
- **Color:** none
- **Odor:** turpentine

Data relevant to safety (*data based on fir turpentine*):
- **Boiling point:** 150 - 180°C
- **Flash point:** 35 - 36°C
- **Explosive risk:** Product is not explosive, can however form explosive vapor/air mixtures.
- **Explosion limits:**
  - upper 0.8 Vol.%
  - lower 6 Vol.%
- **Vapor pressure:** (<20°C) < 6.5 mbar (20°C)
- **Density:** (20°C) 0.86 - 0.87 g/cm³
- **Solubility in water:** (20°C) practically insoluble

### 10. STABILITY AND REACTIVITY

- **Thermal decomposition:** none
- **Hazardous reactions:** none
- **Hazardous decomposition products:** Organic crack products and carbon monoxide.
11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: --

Irritant effect on skin: Irritates skin and mucous membrane.
Irritant effect on eye: Irritating effect possible.

Sensitization: May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Aquatic toxicity:
- Fish toxicity:
  LC50: 10 - 100 mg/l, 96h testing period

Water hazard classification: 2, toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

In accordance with current regulations, product may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

14. TRANSPORT INFORMATION

Land transportation:
ADR/RID-GGVS/E-Class: 3  UN-No.: 1299
Packing group: III  Label: 3
Classification code: F1  Tunnel code: D/E
Correct technical name: TURPENTINE

Sea transportation:
IMDG/GGVSea-Class: 3  Label: 3
UN-No.: 1299  Subsidiary Risks: -
EMS-No.: F-E,S-E  Marine pollutant: -
Correct technical name: TURPENTINE

Air transportation:
ICAO/IATA-Class: 3  UN-No.: 1299
Packing group: III  Subsidiary Risks: -
Correct technical name: TURPENTINE
15. REGULATORY INFORMATION

Labelling in accordance with EC guidelines: The product is subject to classification according to EC lists and other sources of literature known to us.

Hazard designation:

- Xn    Harmful
- N    Environmentally hazardous

Risk 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 the aquatic environment.
- R65: Harmful: May cause lung damage if swallowed.

Safety Phrases:
- S36/37: Wear suitable protective clothing and gloves.
- S46: If swallowed, seek medical advice immediately and show this container or label.
- S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.
- S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

National Regulations (D):
- Water hazard class: 2, hazardous for water.

16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.