

## Material Safety Data Sheet

### Disproportionated Rosin

#### Section 1 - Chemical Product and Company Identification

Synonyms : DPR, Disproportionated Gum Rosin  
Molecular Weight : 304 g/mol  
Chemical Formula :  $C_{20}H_{30}O_2$   
Company Identification : Tradeasia International Pte. Limited  
Address : 133 Cecil Street # 12-03 Keck Seng Tower, Singapore  
Tel: +65-6227 6365  
Fax: +65-6225 6286  
Email: [contact@chemtradeasia.com](mailto:contact@chemtradeasia.com)

#### Section 2 - Composition and Information on Ingredients

Composition:

Chemical Name	CAS No	Purity, %
Disproportionated Rosin	1446-61-3	100

#### Section 3 – Hazards Identification

##### 3.1 Classification of the substance according to HMIS

LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL

HMIS® Hazard Ratings: Health - 1, Flammability - 1, Chemical Reactivity - 0

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

#### Section 4 – First-Aid Measures

##### 4.1. Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

If breathed in, move person into fresh air. Treat symptomatically. Get medical attention if symptoms persist.

**In case of skin contact**

Wash off with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

**In case of eye contact**

Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms occur.

**If swallowed**

Get medical advice.

## Section 5 – Fire Fighting Measures

### 5.1. Suitable Extinguishing media

Use water spray, foam, dry chemical or carbon dioxide.

### 5.2. Hazardous Combustion Products

Carbon oxides

### 5.3. Special protective actions for fire-fighters

Wear a self-contained breathing apparatus and protective clothing for firefighting if necessary.

### 5.4 Unusual Fire and Explosion Hazards

Powdered material may form explosive dust-air mixtures

### 5.5 Sensitivity to Static Discharge

Material may accumulate a static charge which could act as an ignition source.

## Section 6 – Accidental Release Measures

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

Use personal protective equipment. Sweep up and place in a clearly labeled container for chemical waste.

For Large Spills: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams.

For personal protection see section 8.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## Section 7 – Handling and Storage

### 7.1. Precautions for safe handling

Avoid prolonged or repeated contact with skin.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

For precautions see section 2.2.

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

Keep container tightly closed and in a well-ventilated place.

## **7.3. Prevention of Fire and Explosion**

Keep from contact with oxidizing materials. Minimize dust generation and accumulation. In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries."

# **Section 8 – Exposure Controls/Personal Protection**

## **8.1. Control parameters**

### **Components with workplace control parameters**

Country specific exposure limits have not been established or are not applicable unless listed below

## **8.2. Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## **8.3. Individual protection measures, such as personal protective equipment (PPE)**

### **Eye/face protection**

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### **Skin protection**

It is a good industrial hygiene practice to minimize skin contact. For operations where prolonged or repeated skin contact may occur, chemical-resistant gloves should be worn. Contact health and safety professional or manufacturer for specific information.

### **Respiratory protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: dust

### **Ventilation**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye

protection may be needed in special circumstances; such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.

### **Recommended Decontamination Facilities**

Eye wash, shower facilities

## **Section 9 – Physical and Chemical Properties**

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

Appearance : Form: Amber Solid

Odour : Slight, rosin

Softening Point: 75°C

Solubility in Water: negligible

Flash Point: 210°C (closed cup)

Thermal Decomposition Temperature: (DSC) No exotherm to 480-500°C

## **Section 10 – Stability and Reactivity**

### **10.1. Reactivity**

No data available.

### **10.2. Chemical stability**

Not fully evaluated. Materials containing similar structural groups are normally stable.

### **10.3. Possibility of hazardous reactions**

No data available.

### **10.4. Conditions to avoid:**

Strong oxidizing agents

### **10.5. Incompatible materials**

No data available.

## **Section 11 – Toxicological Information**

### **11.1. Information on likely routes of exposure**

Eye contact: No data available.

Skin contact: Prolonged or repeated contact may cause skin sensitization in susceptible individuals

Specific target organ toxicity – single exposure: No data available.

Ingestion: No data available.

### **11.2. Information on toxicological effects**

Symptoms: No information available.

### **11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Chronic toxicity: No information available.

#### **11.4. Numerical measures of toxicity – Product Information**

No data available.

#### **11.5. Additional Information**

RTECS: Not available.

### **Section 12 – Ecological Information**

#### **12.1. Toxicity**

No information available.

#### **12.2. Persistence and degradability**

No information available.

#### **12.3. Bioaccumulative potential**

No information available.

#### **12.4. Mobility in soil**

No information available. (p-Mentha-1,3-diene)

#### **12.5. Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

#### **12.6. Other adverse effects**

No information available.

### **Section 13 – Disposal Considerations**

#### **13.1. Waste treatment methods**

Discharge, treatment, or disposal may be subject to national, state, or local laws. Incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied.

### **Section 14 – Transport Information**

**14.1. UN number : -**

**14.2. UN proper shipping name : -**

**14.3. Transport of hazard classes : -**

**14.4. Packing group : -**

**14.5. Environmental Hazards: No**

**14.6. Incompatible materials: -**

**14.7. Emergency Response Guide Number : -**

## Section 15 : Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

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