



Material Safety Data Sheet

CRUDE WOOD ROSIN

1. Chemical Product and Company Identification

Product Identifier

Product Name: Crude Wood Rosin
CAS No: 8050-09-7
EINECS No: 232-475-7
Chemical Formula: $C_{19}H_{29}COOH$
Synonyms: Wood Rosin, Pine Rosin;
Colophony; Highrosin

Details of Producer

Contact Information:

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Relevant Identified Uses of the Product

Used in chemical industry

2. Hazard Identification

Potential Acute Health Effects:

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact, of inhalation.

Potential Chronic Health Effects:

Slightly hazardous in case of skin contact (sensitizer). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to lungs, skin. Repeated or prolonged exposure to substance can produce target organs damage.

3. Composition and Information on Ingredients

Composition:

Name: Crude Wood Rosin
CAS No: 8050-09-7
% by Weight: % 100

Toxicological Data on Ingredients:

LD50: Not available. LC50: Not available



4. First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

5. Fire and Explosion Data

Flammability of the Product:

May be combustible at high temperature.

Auto-Ignition Temperature:

Not available.

Flash Points:

CLOSED CUP: 187°C OPEN CUP: 205°C

Flammable Limits:

Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.



6. Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Exposure Limits:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Fire Fighting Media and Instructions:**

Rosin Core Solder Pyrolysis Products: TWA: 0.1 (mg/m³) (as formaldehyde) from ACGIH (TLV) [United States] Gum Rosin (solid): TWA: 10 (mg/m³) Consult local authorities for acceptable exposure limits.

9. Physical and Chemical Properties**Physical state and appearance:**

Yellow crystalline solid

Melting Point:

60 – 72 °C

Boiling Point:

250 °C

Specific Gravity

1.06 - 1.08

Solubility:

Soluble in diethyl ether. Insoluble in cold water, hot water. Soluble in alcohol, oils, benzene, carbon tetrachloride, glacial acetic acid, aliphatic, aromatic, and chlorinated hydrocarbons

10. Stability and Reactivity Data**Stability:**

The product is stable.

Instability Temperature:

Not available.

Conditions of Instability:

Excess heat

Incompatibility with various substances:

Reactive with oxidizing agents.

Corrosivity:

Non-corrosive in presence of glass.

Polymerization:

Will not occur.



11. Toxicological Information

Routes of Entry:

Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available. LC50: Not available.

Chronic Effects on Humans:

May cause damage to the following organs: lungs, skin.

Other Toxic Effects on Humans:

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.

Special Remarks on Toxicity to Animals:

Not available.

Special Remarks on Chronic Effects on Humans:

Not available.

12. Ecological Information

Ecotoxicity:

Not available.

BOD5 and COD:

Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation:

Not available.

Special Remarks on Toxicity to Animals:

Not available.

Special Remarks on the Products of Biodegradation:

Not available.



13. Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with local environmental control regulations.

14. Transport Information

DOT Classification:

Not a DOT controlled material

IATA Classification

Not restricted under IATA regulations

Special Provisions for Transport:

Not applicable

15. Other Regulatory Information

Other Regulations:

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

National Fire Protection Association (U.S.A.):

Health: 2 Flammability: 1 Reactivity: 0 Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

16. Other Information

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Other Special Considerations:

Not available