

International Chemical Safety Cards

ROSIN

ICSC: 0358



Colophony
Gum rosin

ICSC # 0358
CAS # 8050-09-7
RTECS # [VL0480000](#)
EC # 650-015-00-7
April 21, 2004 Peer reviewed



TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Water spray, powder.
EXPLOSION			
EXPOSURE		PREVENT DISPERSION OF DUST! AVOID ALL CONTACT!	
• INHALATION	Wheezing.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
• SKIN		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
• EYES		Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
• INGESTION		Do not eat, drink, or smoke during work.	

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Sweep spilled substance into covered containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Personal protection: P2 filter respirator for harmful particles.	Store in covered containers. Separated from strong oxidants.	Xi symbol R: 43 S: 2-24-37

SEE IMPORTANT INFORMATION ON BACK

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Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities (C) IPCS CEC 1994. No modifications to the International version have been made except to add the OSHA PELs, NIOSH RELs and NIOSH IDLH values.

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I M P O R T A N T D A T A	<p>PHYSICAL STATE; APPEARANCE: PALE YELLOW TO AMBER, FRAGMENTS OR POWDER , WITH CHARACTERISTIC ODOUR.</p> <p>PHYSICAL DANGERS:</p> <p>CHEMICAL DANGERS: The substance decomposes on heating producing irritating fumes</p> <p>OCCUPATIONAL EXPOSURE LIMITS: TLV: As rosin core solder thermal decomposition products (colophony). Exposure by all routes should be carefully controlled to levels as low as possible. SEN (ACGIH 2004). MAK: Sh (DFG 2003).</p>	<p>ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of fumes</p> <p>INHALATION RISK: A harmful concentration of airborne particles can be reached quickly when dispersed, especially if powdered or as fumes.</p> <p>EFFECTS OF SHORT-TERM EXPOSURE:</p> <p>EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: Repeated or prolonged contact may cause skin sensitization. Repeated or prolonged inhalation exposure may cause asthma.</p>
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PHYSICAL PROPERTIES	Melting point: 100-150°C Density: 1.07 g/cm ³	Solubility in water: none Flash point: 187°C
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ENVIRONMENTAL DATA	
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NOTES

Rosin is obtained from pine trees. Rosin is available as wood rosin, gum rosin or tall oil rosin. Anyone who has shown symptoms of asthma due to this substance should avoid all further contact with this substance.

ADDITIONAL INFORMATION

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ICSC: 0358	(C) IPCS, CEC, 1994	ROSIN
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IMPORTANT LEGAL NOTICE:	<p>Neither NIOSH, the CEC or the IPCS nor any person acting on behalf of NIOSH, the CEC or the IPCS is responsible for the use which might be made of this information. This card contains the collective views of the IPCS Peer Review Committee and may not reflect in all cases all the detailed requirements included in national legislation on the subject. The user should verify compliance of the cards with the relevant legislation in the country of use. The only modifications made to produce the U.S. version is inclusion of the OSHA PELs, NIOSH RELs and NIOSH IDLH values.</p>
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