**MATERIAL SAFETY DATA SHEET**

**Distributor**
SUMMIT TRADE PTE LTD  
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**Product identification**
Product name: GUM ROSIN  
CAS Number.: 8050-09-7  
Synonyms: Colophony  
Formula: C19H29COOH mainly  
Molecular weight: unspecified

**Composition/information on ingredients**
Mixture of natural gum rosins derived from gum of pine tree (Pinus Massoniana, Elliottii, Merkusii, etc.)

**Hazards identification**
Routes of entry:  
Inhalation-YES Skin-YES Ingestion-YES  
Reports of carcinogenicity:  
NTP-NO IARC-NO OSHA-NO  
Health hazards acute and chronic:  
eyes-may cause irritation; skin-may cause irritation; inhalation-may be harmful; ingestion- may be harmful.

**First aid measures**
Eyes: immediately flush with copious amounts of water for at least 15 min.  
Skin: immediately wash with soap and copious amounts of water.  
Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.  
Ingestion: wash out mouth with water provided person is conscious

**Fire fighting measures**
Extinguishing media: water spray. Carbon dioxide, dry chemical powder or appropriate foam.  
Fire fighting procedures: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
Unusual fire/explosion hazard: emits toxic fumes under conditions.

**Accidental release measures**
Spill release procedures: wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.  
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

**Handling and storage**
Handling and storage precautions: avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Avoid inhalation. Keep tightly closed. Store away from heat.

**Exposure controls/Personal protection**
Respiratory protection: NIOSH/MSHA-approved respirator.  
Ventilation: mechanical exhaust required.  
Protective gloves: compatible chemical-resistant gloves.  
Eye protection: chemical safety glasses.  
Other protective equipment: safety shower and eye bath.  
Work hygienic practices: wash hands thoroughly after handling.  
Supplemental safety and health: none

**Physical and chemical properties**
Appearance: yellowish transparent solid  
Softening point: 76 degree C min.  
Acid value: 166mgKOH/g max.  
Unsaponifiable matters: 8% max.  
Insoluble matter in alcohol: 0.03% max.  
Dirt matters: 0.02% max.

**Stability and reactivity data**
Stability indicator/materials to avoid: yes. Strong oxidizing agents.  
Hazardous decomposition products: carbon dioxide and carbon monoxide.

**Toxicological information**
Routes of exposure: the substance can be absorbed into the body by inhalation of fumes.  
Acute effects/symptoms: inhalation of dusts or fumes causes asthmatic reactions.  
Chronic effect: repeated or prolonged contact may cause skin sensitization. Repeated or prolonged inhalation exposure may cause asthma.

**Ecological information**
No available data.

**Disposal considerations**
Waste disposal methods: dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.  
Observe all federal, state, and local regulations.

**Transport Information**
Non-hazardous for air, sea and road freight.

**Regulatory Information**
Unspecified.

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