

# MATERIAL SAFETY DATA SHEET

## Distributor

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## Product identification

Product name: ESTERIFIED ROSIN  
Synonyms: partially esterified glycerol rosin  
Molecular weight: unspecified

## Composition/information on ingredients

Macromolecule polymer via gum rosin esterification by glycerol.

## 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 fire 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 : transparent piece or granular  
Color (Gardner) : 1 - 4  
Softening point (R&B, deg C) : 90 - 100  
Acid value (mgKOH/g) : 70 - 150

## 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

TOX INFO (CONT): classified/regulated.  
OSHA TWA: 15mg/ms total, 5mg/m3 respirable fraction.  
TLV-TWA: 10mg/m3.

## 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.

## Disclaimer

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