

MATERIAL SAFETY DATA SHEET

Distributor

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Product identification

Product name: ESTER GUM (FOOD GRADE)
Synonyms: 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

Color (Gardner) : 8 max.
Softening point (R&B, deg C) : 80 - 88
Acid value (mgKOH/g) : 3 - 8
Solubility (1:1 with benzol) : clear
Specific gravity (25 deg C/ 25 deg C) : 1.080 - 1.090
Ash content : 0.1% max.
Arsenic content : 0.0002% max.
Heavy metal (as Pb) : 0.002% 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

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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