

MATERIAL SAFETY DATA SHEET

Distributor

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Product identification

Product name: PENTAERYTHRITOL ESTER OF ROSIN
CAS NO. 8050-26-8
Synonyms: pentaerythritol rosin ester
Formula: C(CH₂OCOR)₄ mainly
Molecular weight: unspecified

Composition/information on ingredients

Macromolecule polymer via gum rosin esterification by pentaerythritol.

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: yellowish transparent granular or piece
Softening point: 100 +/- 2 degree C
Acid value: 25mgKOH/g max.
Solubility in benzol: clear
Solubility in water: negligible
Vapor pres: negligible
Percent volatiles by volume: negligible

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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