MATERIAL SAFETY DATA SHEET

Distributor
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Product identification
Product name: HYDROGENATED ROSIN ESTER
Synonyms: hydrogenated 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
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

Physical and chemical properties
Appearance: transparent granular or piece
Color (Gardner): 3 - 6
Softening point (R&B, deg C): 85 +/- 3
Acid value (mgKOH/g): 10 max.
Solubility (1:1 with benzol): clear
Specific gravity (25 deg C): 1.06 - 1.09

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.

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