

MATERIAL SAFETY DATA SHEET

Distributor

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Product identification

Product name: PHENOL FORMALDEHYDE RESIN
CAS NO. 25085-50-1
Synonyms: p-t-butyl phenol resin, SP-134
Formula: macromolecule polymer
Molecular weight: unspecified

Composition/information on ingredients

Macromolecule polymer.

Hazards identification

Routes of Entry:
Inhalation: Yes Skin: Yes Ingestion: No
Reports of Carcinogenicity:
NTP: No IARC: No OSHA: No
Health Hazards Acute and Chronic:
Ingest/Skin Absorption/Skin Contact: No
Eye-may cause irritate, experienced as stinging
w/excess blinking & tear production. Redness & swelling
of conjunctive may occur.
Inhalation-:Short term harmful effect not expected

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: Dry chemical, foam, carbon dioxide,
water fog.
Unsuitable Extinguishing media: Don't use a solid water
stream as it may scatter and spread fire.

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: clear yellowish solid (irregular pieces)
Softening point (R&B, degree C): 85 - 115
Hydroxymethlate content: 9% - 15%
Free phenol content: 1.5% max.
Free aldehyde content: 0.5% max.
Specific gravity(g/cm): 1.1

Stability and reactivity data

Stability Indicator/Materials to Avoid: YES - Strong
oxidizing agents, strong acids, strong alkalies, halofens,
acyl halides. Prevent disperse of material in air to form
dust-any finely divided org material in air can ignite dust
explode.
Hazardous Decomposition Products: burning/thermo
decomposition can produce phenol, formaldehyde,
CO(highly toxic if inhale) and/or CO2(sufficient conce act
as asphyxiant).

Toxicological information

Oral LD50 (formaldehyde): rat 100mg/kg
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

n/a

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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transportation, disposal and release and is not to be
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