

# 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

The information provided on this MSDS is correct to the  
best of our knowledge, information and belief at the data  
of its publication. The information given is designed only  
as a guidance for safe handling, use processing, storage,  
transportation, disposal and release and is not to be  
considered a warranty or quality specification. The  
information relates only to the specific material  
designated and may not be valid for such material used  
in combination with any other materials or in any process,  
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