

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Paraffin  
**SYNONYMS:** No information Available  
**PRODUCT CODE:** 40001  
**RECOMMENDED USE:** Laboratory Chemicals  
**MANUFACTURER:** Rankin Biomedical  
**ADDRESS:** 10399 Enterprise Dr. Davisburg, MI 48350  
**IN CASE OF EMERGENCY:**  
**CHEMTREC PHONE:** 800-424-9300  
**CHEMTREC INTERNATIONAL:** 703-527-3887  
**PREPARED BY:** SB

## SECTION 2: HAZARDS IDENTIFICATION

**ROUTE OF ENTRY:** Inhalation, Skin  
**TARGET ORGANS:** NA  
**INHALATION:** Fumes from molten material may cause mild respiratory irritation  
**SKIN CONTACT:** Contact with molten material may cause burns  
**EYE CONTACT:** Yes, when product is molten  
**INGESTION:** Ingestion is not an applicable route of entry for intended use  
**IFPA-RATINGS (SCALE 0-4):** Health=1, Fire=1, Reactivity=0

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<b>PARAFFIN WAXES</b>	CAS# 61742-13-1	Concentration % 92-97
<b>HYDROCARBIN RESINS</b>	CAS# 75096-00	Concentration % 3-8

## SECTION 4: FIRST AID MEASURES

**INHALATION:** If symptoms develop, move the victim to fresh air. If symptoms persist, seek medical attention.  
**SKIN CONTACT:** Promptly flush skin with water and seek medical attention.  
**EYE CONTACT:** Immediately seek medical attention.  
**INGESTION:** Product is non-toxic. Should stomach discomfort occur, seek medical attention.  
**SYMPTOMS:** No information is available.  
**RECOMMENDATIONS FOR IMMEDIATE MEDICAL CARE/ SOCIAL TREATMENT:** Treat symptomatically

## SECTION 5: FIRE-FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Water Spray. Carbon dioxide (CO <sub>2</sub> ), Water
<b>FIRE HAZARDS (CHEMICAL):</b>	Flash point 204.4 degrees C / 399.9 degrees F
<b>SPECIAL PROTECTIVE EQUIPMENT:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
<b>PRECAUTIONS FOR FIREFIGHTERS:</b>	Keep product and empty container away from heat and sources of ignition.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Dike or contain molten material. Allow material to solidify, then scrape up solid material. Handle as solid waste clean up. Clean up solid spills to prevent slippery surface conditions.

## SECTION 7: HANDLING AND STORAGE

**HANDLING PRECAUTIONS:** Handle with care and avoid spillage on the floor (slippage).  
**STORAGE PRECAUTIONS:** Store in cool, dry area away from heat or direct sunlight.

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Component: Paraffin Wax Fume-TWA: 2.0(mg/m<sup>3</sup>)  
Use local exhaust at filling zones and where leakage is probable. Use mechanical (general) ventilation for storage areas.

**PROTECTIVE EQUIPMENT:** HMIS PP, B Goggles, Gloves  
**EXPOSURE GUIDELINES/OTHER:** Additional protective clothing and/or equipment as required to prevent contact

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** White, solid  
**PHYSICAL STATE:** NA  
**ODOR:** None  
**PH:** NA  
**VAPOR PRESSURE:** NA  
**VAPOR DENSITY:** NA  
**BOILING POINT:** NA  
**FREEZING/MELTING POINT:** 136 F  
**SOLUBILITY:**  
**SPEC GRAV./DENSITY:** <0.84

## SECTION 10: EXPOSURE CONTROL/PERSONAL PROTECTION

**STABILITY:** Product is stable under normal conditions  
**CONDITIONS TO AVOID:** Avoid heating above 300 F to prevent build-up fumes.  
**MATERIALS TO AVOID (INCOMPATIBILITY):** Strong Oxidizing Agents  
**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub> and unidentified byproducts of combustion  
**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

### LIKELY ROUTES OF EXPOSURE

**EYES:** Irritation  
**SKIN:** Irritation  
**INHALATION:** Dizziness, headache  
**INGESTION:** Nausea

**SIGNS OR SYMPTOMS OF EXPOSURE:** Nausea

**EFFECTS FROM SHORT TERM EXPOSURE (DELAYED, IMMEDIATE, CHRONIC):** Irritation to the eyes, nose, throat; headache, dizziness, nausea

### ACUTE TOXICITY (NUMERICAL MEASURES):

**ORAL LD50:** Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg  
**DERMAL LD50:** Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg  
**MIST LC50:** Based on ATE data, the classification criteria are not met. ATE > 5 mg/l  
**COMPONENT:** 2,6-Di-tert-butyl-p-cresol  
LD50(oral,rat)=890mg/kg, LD50(oral,rat)=>2000mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICITY:

**2,6-Di-tert-butyl-p-cresol:**

**FRESHWATER ALGAE:** EC50=0.758mg/L 96h; EC50=6mg/L 72h

**FRESHWATER FISH:** LC50=0.199mg/L 96h

**MICROTOX:** EC50=7.82mg/L 5min; EC50=8.57mg/L 15min; EC50=8.98mg/L 30min

**WATER FLEA:** EC50>0.31mg/L 48h

**PERSISTENCE AND DEGRADABILITY:** No information available

**BIOACCUMULATION POTENTIAL (OCTANOL-WATER PARTITION COEFFICIENT, BCF):** No information available

### MOBILITY IN THE SOIL:

**2,6-Di-tert-butyl-p-cresol:** log Pow=4.17

**MICROCRYSTALLINE WAX:** log Pow>6

**ADVERSE ENVIRONMENTAL EFFECTS:** N/A

## SECTION 13: DISPOSAL CONSIDERATIONS

Incineration or burial in accordance with local, state, and federal regulations.

## SECTION 14: TRANSPORT INFORMATION

**UN NUMBER:** Not regulated

## SECTION 15: REGULATORY INFORMATION

**OSHA:** N/A

**DOT:** Not regulated

**EPA:** N/A

**CPSC:** N/A

## SECTION 16: OTHER INFORMATION

### NFPA

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	

### National Fire Protection Association (U.S.A.) NFPA



### HIMS

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	

### Hazardous Material Information System HIMS

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	

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