

# MATERIAL SAFETY DATA SHEET

## Distributor

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## Product identification

Product name: METHYL ROSINATE  
CAS Number: 68186-14-1 / 8050-15-5  
Usage: adhesive, plasticizer, coatings, cosmetic, ink.  
OSHA Status: nonhazardous

## Composition/information on ingredients

Resin acids and rosin acids, methyl esters: 100%

## Hazards identification

Molten material will produce thermal burns.

## First aid measures

Inhalation: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eyes: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms occur. If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention.

Skin: Wash with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes. If burned by contact with molten material, cool as quickly as possible. Do not peel material from skin. Get medical attention.

Ingestion: Seek medical advice.  
Note to Physicians: Burns should be treated as thermal burns. The material will come off as healing occurs; so, immediate removal from the skin is not necessary.

## Fire fighting measures

Extinguishing Media: water spray, dry chemical, carbon dioxide, foam.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: carbon dioxide, carbon monoxide.

## Accidental release measures

Wear appropriate personal protective equipment. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

For Large Spills: Flush spill area with water spray.  
Prevent runoff from entering drains, sewers, or streams.

## Handling and storage

Personal Precautionary Measures: Avoid contact with molten material. Avoid breathing vapor from heated material. Avoid contact with eyes and prolonged or repeated contact with skin. Use only with adequate ventilation. Wash thoroughly after handling.  
Prevention of Fire and Explosion: Keep from contact with oxidizing materials.

Storage: Keep container tightly closed in a cool,

well-ventilated place.

## Exposure controls/Personal protection

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Respirator type: organic vapor

Eye Protection: It is a good industrial hygiene practice to minimize eye contact. Wear a face shield when working with molten material.

Skin Protection: For operations where prolonged or repeated skin contact may occur, chemical-resistant gloves should be worn. When material is heated, wear gloves to protect against thermal burns.

Recommended Decontamination Facilities: eye bath, washing facilities

## Physical and chemical properties

Appearance: pale yellow sticky transparent liquid

Color (Gardner): 2 max.

Acid value (mgKOH/g): 8 max.

Viscosity (mPa.s, 25 deg C): 4000 - 7000

Specific Gravity: 1.04 (25 deg C)

Solubility in Water: negligible

Flash Point: >170 deg C (open cup)

## Stability and reactivity data

Stability: Not fully evaluated. Materials containing similar structural groups are normally stable.

Incompatibility: Material reacts with strong oxidizing agents.

Hazardous Polymerization: Will not occur.

## Toxicological information

Skin: Prolonged or repeated contact may cause skin sensitization in susceptible individuals.

Acute toxicity data, if available, are listed below.

Additional toxicity data may be available on request.

## Ecological information

n/a

## Disposal considerations

Discharge, treatment, or disposal may be subject to national, state, or local laws. Incinerate.

## Transport Information

Class not regulated

## Regulatory Information

n/a

## Disclaimer

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