



## SOVEREIGN CHEMICAL COMPANY

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# Material Safety Data Sheet

## MR-1086

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

<b>Manufacturer:</b> Mobile Rosin Oil Company P.O. Drawer 70107 Mobile, AL 36670 Phone 251-476-4282	<b>Emergency Contact :</b> Chemtrec: 1-800-424-9300 (continental USA) (1)703-527-3887 (outside continental USA) Mobile Rosin: 251-476-4282 (day) 1-888-455-6064 (nights and weekends)
<b>Trade Name(s): MR-1086</b>	<b>MSDS Number:</b> 1215
<b>Chemical Name:</b> Rosin/tall oil fatty acid and naphthenic oil blend	<b>Synonyms:</b> rosin oil
<b>Prepared By:</b> Sovereign Chemical Company	<b>Date of Issue:</b> May 6, 2009 <b>Revision Number:</b> 6 (supersedes December 2, 2003) <b>Changes:</b> Three year update

### 2. INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>Percent</u>	<u>ACGIH (TLV)</u>	<u>OSHA (PEL)</u>
Rosin	8050-09-7	*	NE	NE
Tall Oil Fatty Acids	8016-81-7	*	NE	NE
Naphthenic oil	64742-52-5	*	NE	NE

\* This product is a blend of by-products from the manufacture of rosin, tall oil fatty acids and naphthenic oil. Because it is a blend of numerous materials, no specific percentage of the chemical composition is available.

This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Amber viscous liquid. Use appropriate personal protective equipment. During fire situations, irritating and toxic gases may be generated. Keep from sources of ignition and strong oxidizers. Keep from entering storm or sanitary sewers, ground water, or soil. The health hazards of this product should be low under normal industrial and commercial uses. This product will burn when exposed to heat, spark, or flames. After prolonged contact with porous materials, this product may spontaneously oxidize (combust).

**HMIS Rating:** Health 1, Flammability 1, Reactivity 0, Personal Protection – B (safety glasses, gloves)  
This is recommended personal protection equipment, final personal protection equipment should be determined by the plant safety department based on the actual conditions under which the product is used.

#### Potential Health Effects:

**Eye:** Avoid eye contact. Irritating vapors may be formed when product is processed at high temperatures. Exposure to hot material may cause thermal burns. If heated material contacts eye, seek medical attention immediately for thermal burn treatment..

**Skin Contact:** Avoid skin contact. Contact with product at elevated temperatures can result in thermal burns. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis) in susceptible individuals. Maintain good hygiene practices.

**Ingestion:** Ingestion of large amounts is unlikely. Ingestion of small amounts is not likely to cause acute toxicity or internal damage.

**Inhalation:** Irritating vapors may be formed when product is processed at high temperatures. Avoid breathing vapors or mists. Short-term inhalation of vapors may cause dizziness, nausea, and respiratory tract congestion in some individuals. Single exposure is not expected to cause acute toxicity.

**Chronic & Carcinogenicity:** Prolong exposure to vapors or fumes generated by heating of this product may lead to respiratory irritation with throat discomfort, coughing or breathing difficulty. Repeated exposure may lead to respiratory sensitization (asthma). No known cancer hazards.

#### **4. FIRST AID MEASURES**

**Skin:** Remove contaminated clothing and shoes. Wash skin with soap and water. Do not reuse contaminated clothing without laundering. If molten product contacts skin, cool under running stream of water. Do not attempt to remove from skin. Removal could result in severe skin damage. Get medical attention.

Note to Physician: Material should not be forcibly pulled from skin. Mineral oil may be used to loosen the material. Then provide treatment as required for thermal burn.

**Eye:** Immediately flush eyes with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops or persists. If molten product contacts eyes, flush with water for at least 15 minutes and seek medical attention.

**Ingestion:** Product is not considered to be toxic in small amounts. Obtain medical treatment if large amounts are swallowed.

Notes to Physician: The decision whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. No specific antidote. If burn is present, treat as any thermal burn. Specific treatment must be based on judgment of the physician in response to reactions of the patient.

**Inhalation:** Remove to fresh air. Restore breathing. Seek medical attention.

#### **5. FIRE FIGHTING MEASURES**

**Flash Point:** > 176.7°C (>350°F) **LEL:** NA **UEL:** NA **Auto Ignition Temperature:** 315.6°C (>600°F).

Water may cause foaming if used on material in bulk. Can burn in fire, releasing toxic vapors. No known unusual hazards in a fire/explosion situation. As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate area and fight fire from a safe distance. When product is heated to decomposition, product will emit acrid dense smoke with carbon dioxide, carbon monoxide, trace oxides of sulfur, water and other products of combustion; possibly including formaldehyde.

#### **6. ACCIDENTAL RELEASE MEASURES**

**Safeguards for Personnel:** Eliminate all sources of ignition – heat, sparks, flame, electricity, impact and friction. Protect skin and eyes from exposure. Wear appropriate personal protective equipment specified in Section 8.

**Initial Containment:** Eliminate all sources of ignition – heat, sparks, flame, electricity, and impact. Shut off leak if safe to do so. Contain spilled material.

**Large Spills Procedure:** Contain spilled liquid with sand or earth. Absorb spill with inert material (such as dry sand or earth), then place in disposal container. Dispose of waste material in accordance with all local, State/provincial, and national requirements.

**Small Spills Procedure:** Absorb spills with inert material. Dispose of waste material in accordance with all local, state/provincial, and national requirements.

#### **7. HANDLING AND STORAGE**

**Storage Conditions:** Keep container closed when not in use. Protect containers from physical damage. Control inventory by using oldest material first. Suggest stainless steel construction for bulk storage but mild steel is acceptable.

**Handling:** Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Individuals handling this product should wear personal protective equipment specified in Section 8. Plant environment should include controls and equipment specified in Section 8. Avoid extreme temperatures.

## 8. EXPOSURE CONTROL - PERSONAL PROTECTION

**Engineering Controls:** Local exhaust ventilation should be provided. Design details for local exhaust ventilation systems may be found in the latest edition of "Industrial Ventilation: A Manual of Recommended Practices" published by the ACGIH Committee on Industrial Ventilation, P.O. Box 16153, Lansing, MI 48910. The need for local exhaust ventilation should be evaluated by a professional industrial hygienist. Local exhaust ventilation systems should be designed by a professional engineer.

**Respiratory Protection:** Under normal use conditions, with adequate ventilation, no special respiratory equipment is required. A NIOSH approved vapor respirator should be used if ventilation is not adequate.

**Eye Protection:** Chemical protective goggles are recommended.

**Protection Gloves:** When material is heated, wear gloves to protect against thermal burns.

**Other Protection Items:** Neoprene or nitrile rubber coated apron or other body covering may be required if there is a possibility of regular work clothing becoming contaminated with the product. Wear protective clothing where hot material may contact skin. All soiled or dirty clothing and personal protective equipment should be thoroughly cleaned before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b> Dark viscous liquid	<b>Melt Point:</b> NA
<b>Vapor Density (Air = 1):</b> Unknown	<b>Octanol/Water Partition Coefficient:</b> Unknown
<b>Vapor Pressure:</b> 1+ mm Hg	<b>Evaporation Rate BuOAC = 1:</b> Unknown
<b>Odor:</b> Characteristic	<b>Specific Gravity:</b> 0.973
<b>% Volatile by Volume:</b> Unknown	<b>Boiling Point:</b> >500°F
<b>% Solubility (H<sub>2</sub>O) :</b> Negligible	<b>pH:</b> Unknown
<b>Other:</b>	

## 10. STABILITY AND REACTIVITY

**Stability /Polymerization:** Stable, hazardous polymerization will not occur.

**Incompatibility (conditions to avoid):** Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products:** Decomposition may produce normal products of combustion such as fumes, smoke, oxides of carbon and hydrocarbons.

**Special Sensitivity:** None that are known.

## 11. TOXICOLOGICAL INFORMATION

Toxicological information has been developed for some products and may be available for this product. For available information, write to the address listed in Section 1 of this MSDS.

## 12. ECOLOGICAL INFORMATION

No details available.

## 13. DISPOSAL CONSIDERATIONS

Incineration is recommended. Bury in landfill in accordance with all applicable regulations as an alternative. Dispose waste material in accordance with all local, state/provincial, and national requirements. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of in accordance with all local, state/provincial, and national requirements.

#### **14. TRANSPORTATION INFORMATION**

Product Label: MR-1086

**The below regulations apply only when this product is shipped at a temperature of 100°C or above. This product is not regulated when shipped under 100°C.**

D.O.T. Shipping Name: Elevated Temperature Liquid, n.o.s.

Technical Shipping Name: not applicable

D.O.T. Hazard Class: 9

Un Number: UN 3257

D.O.T. Label: not applicable

D.O.T. Placard: HOT

Bulk Class: not applicable

Package Class: not applicable

#### **15. REGULATORY INFORMATION**

**CERCLA/RCRA:** No reportable or threshold planning quantities.

**SARA Title III, Section 313, WHMIS, NTP, IARC, Subpart Z, 1910.119 Process Safety Management, Proposition 54 (CA), Clean Air:** Not listed under any of these regulations.

**TSCA:** All ingredients listed on the TSCA inventory.

**Canadian DSL:** All ingredients listed.

#### **16. OTHER INFORMATION**

NE = Not Established

NA = Not Applicable

ND = Not Determined

**Information contained in this MSDS sheet have been gathered from the following documents:**

Chemical REG-A-DEX, J.J.Keller, March 2000

WHMIS Compliance Manual, Carswell, April 2000

Transportation of Dangerous Good, J.J.Keller, February 2000

Code of Federal Regulations, Transportation, 49 CFR Parts 100 to 185, October 1998

NIOSH Pocket Guide to Chemical Hazards, June 1997

ACGIH Threshold Limit Values, 1999

HMIS Implementation Manual, 2<sup>nd</sup> Edition

Toxicity and Safe Handling of Rubber Chemicals, BRMA, 3<sup>rd</sup> Edition

ChemCheck Handbook, Specialty Technical Publishers, March 2000

**IMPORTANT SAFETY NOTICE:** The information in the Material Safety Data Sheet relates only to the specific material(s) described herein and does not relate to use in combination with any other material or substance or in any process. We believe that the information contained herein is current as of the date of issue of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of this product are not within the control of Sovereign Chemical Company, it is the user's obligation to determine the conditions of safe use of the product. Users of this product should study this Material Safety Data Sheet and become aware of the product hazards and safety information before using the product. Users should also notify their employees, agents, and contractors of the information on this Material Safety Data Sheet and any product hazards and safety information in order to provide safe use of this product.