Safety Data Sheet

# MR-109

## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

| | |
|---|---|
| Manufacturer<br>Mobile Rosin Oil Company<br>2401 Burden Lane<br>Mobile, AL 36617 | Emergency Contact<br>Chemtrec: 1-800-424-9300 (USA)<br>(1)330-542-8400 (outside USA) |
| Trade Name(s): MR-109 | Chemical Name: Modified Rosin Blend |
| Relevant identified uses of the substance or mixture and uses advised against: None determined. | Application of the substance/the preparation: Industrial uses. |
| Issued By: Sovereign Chemical Company (Distributor)<br>3600 Embassy Parkway, Suite 203<br>Akron, Ohio 44333 | Date of Issue: November 1, 2026 |

## 2. HAZARDS IDENTIFICATION

*Classification of the substance or mixture*
Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012), Regulation (EC) No 1272/2008, 1907/2006/EC (REACH), and GHS.

Hazard Pictograms (CLP) :



GHS07

Signal Word : Warning

Hazard statements (CLP) : H317 – May cause an allergic skin reaction

Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 - IF ON SKIN: wash with plenty of soap and water.
P333 + P313 - IF SKIN irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P501 - Dispose of contents/container under local, state, and federal laws/

Other Hazard : No other information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

| Chemical Name | CAS No | EC No | Weight % | Classification |
|---|---|---|---|---|
| Rosin | 8050-09-7 | 232-475-7 | 40 | H317 – May cause an allergic skin reaction |

| | | | | |
|---|---|---|---|---|
| Tall Oil | 8016-81-7 | 232-414-4 | 32 | Not Classified |
| Distillates hydrotreated heavy naphthenic | 68938-00-1 | 273-108-0 | 28 | Not Classified |

## 4. FIRST AID MEASURES

*Description of first aid measures*

First-aid measures general: IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation: If inhaled, remove fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

First-aid measures after skin contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

*Most important symptoms and effects, both acute and delayed*

General: No information available.

*Indication of any immediate medical attention and special treatment needed*

General : The decision whether to induce vomiting or not should be made by the 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 the judgement of physician in response to reactions of patient.

## 5. FIRE FIGHTING MEASURES

*Extinguishing media*

Suitable extinguishing agents: Dry chemical, $CO_2$, water spray or alcohol-resistant foam.

Unsuitable extinguishing agents: No information available.

*Special hazards arising from the substance or mixture*

General: Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by skin contact.

*Advice for firefighters*

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| General: | Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow firefighting to enter drains or water courses. |

## 6. ACCIDENTAL RELEASE MEASURES

*Personal precautions, protective equipment and emergency procedures*

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| General: | Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. |

*Environmental precautions*

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|---|---|
| General: | Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained. |

*Methods and material for containment and cleaning up*

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|---|---|
| Containment: | Prevent further leakage or spillage if safe to do so. |
| Cleanup: | Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal. |

*Reference to other sections*

| | |
|---|---|
| General: | See Section 7 for information on safe handling.<br>See Section 8 for information on personal protection equipment.<br>See Section 13 for information on disposal. |

## 7. HANDLING AND STORAGE

*Precautions for safe handling*

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|---|---|
| General: | When using it, do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing. |

*Conditions for safe storage, including any incompatibilities*

| | |
|---|---|
| General: | Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers |

| | |
|---|---|
| | that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Protect from sunlight. Store in a well-ventilated place. |

*Specific end use(s)*

| | |
|---|---|
| General: | No information available. |

## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

*Control Parameters*

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|---|---|
| General: | Rosin<br>France OEL TWA – 0.1 mg/m$^3$<br>OSHA Vacated PELs TWA – 0.1 mg/m$^3$<br>ACGIH TLV – 0.001 mg/m$^3$ |

*Exposure controls*

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|---|---|
| Appropriate engineering controls: | Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. |
| Eye/face protection: | Tight sealing safety goggles. |
| Hand protection: | There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. |
| Body protection: | Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing. People should wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber. |
| Respiratory protection: | When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. |
| Thermal hazard: | No information available. |
| General hygiene: | When using it do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

*Information on basic physical and chemical properties*

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|---|---|
| Form: Viscous liquid | Melting Point/Range: No information available |
| Color: Dark Brown | Boiling point/Range: No information available |
| Odor: No information available | Vapor density: No information available |
| Odor threshold: No information available | pH value: No information available |
| Vapor Pressure: No information available | Flash point: No information available |
| Density: No information available | Flammability: No information available |
| Bulk Density: No information available | Ignition temperature: No information available |
| Auto ignition temperature: No information available | Decomposition temperature: No information available |
| Solubility in / Miscibility with water: No information available | Oxidizing properties: No information available |
| Partition coefficient (n-octanol/water: No information available | Evaporation rate: No information available |
| Viscosity<br>Dynamic: Not applicable<br>Kinematic: Not applicable | Explosion limits<br>Lower: Not available<br>Upper: Not available |

## 10. STABILITY AND REACTIVITY

*Reactivity*
No information available.

*Chemical stability*
Stable under recommended storage conditions.

*Possibility of hazardous reactions*
None under normal processing

*Conditions to avoid*
Heat, flames, and sparks.

*Incompatible materials*
Strong oxidizing agents

*Hazardous decomposition products*
Carbon monoxide. Carbon dioxide ($CO_2$). Chlorine gas.

## 11. TOXICOLOGICAL INFORMATION

*Information on toxicological effects*

| | |
|---|---|
| **Distillates hydrotreated heavy naphthenic** | |
| LD50 Dermal Rabbit | > 5000 mg/kg |
| LD50 Oral rat | > 5000 mg/kg |
| **Tall oil pitch** | |
| LD50 Oral Rat | > 2000 mg/kg |
| LD50 Dermal Rat | > 2000 mg/kg |
| **Rosin** | |
| LC50 Inhalation Rat | = 1.5 mg/L |
| LD50 Oral Rat | = 7600 mg/kg |
| LD50 Dermal Rabbit | > 2500 mg/kg |

| | |
|---|---|
| Skin corrosion/irritation: | Not classified |
| Serious eye damage/irritation: | Not classified |
| Respiratory or skin sensitization: | Skin sensitization |
| Germ cell mutagenicity: | Not classified |
| Carcinogenicity: | Not classified as a carcinogen. Meets EU requirement of less than 3% (w/w) DMSO extract fortotal polycyclic aromatic compound (PAC) using IP 346. |
| Reproductive toxicity: | No information available |
| STOT single exposure: | No information available |
| STOT multiple exposure: | No information available |
| Aspiration hazard: | No information available |

## 12. ECOLOGICAL INFORMATION

**Distillates hydrotreated heavy naphthenic**

| | |
|---|---|
| EC50 | > 1000 mg/L (48.0 h; DAPHNIA MAGNA; (Daphnia magna)) |
| LC50 | > 500 mg/L (96.0 h; ONCORHYNCHUSMYKISS (Oncorhynchus mykiss) |
| Tall oil pitch | |
| EC50 | > 1000 mg/L (72.0 h; PSEUDOKIRCHNERIELLAS;(Pseudokirchneriella subcap)) |
| LC50 | > 400 mg/L (96.0 h; BRACHYDANIORERIO; (Brachydanio rerio)) |
| EC50 | > 2000 mg/L (48.0 h; DAPHNIA MAGNA; (Daphnia magna)) |
| Rosin | |
| EC50 | > 3.8-5.4 mg/L (48.0 h; DAPHNIA MAGNA; (Daphnia magna)) |
| EC50 | = 400 mg/L (72h, DESMODESMUSSUBSPICAT (Desmodesmus subspictus)) |

*Persistence and degradability*

Information: No information available

*Bioaccumulation potential*

Information: No information available

*Mobility in soil*

Information: No information available

*Results of PBT and vPVB assessment*

Information: No information available

*Other adverse effects*

Information: No information available

## 13. DISPOSAL CONSIDERATIONS

*Waste treatment methods*

Methods: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

## 14. TRANSPORTATION INFORMATION

UN-Number
DOT, ADR, ADN, IMDG, IATA, RID Not regulated

UN proper shipping name
DOT, ADR, ADN, IMDG, IATA, RID Not regulated

Transport hazard class(es)

| | |
|---|---|
| DOT, ADR, ADN, IMDG, IATA, RID | Not regulated |
| Packing group | |
| DOT, ADR, ADN, IMDG, IATA, RID | Not regulated |
| Environmental hazards | |
| Marine pollutant | No information available |
| Special precautions for user | No information available |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | No information available |
| UN "Model Regulation" | |

## 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance

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|---|---|
| SARA Section 355 (extremely hazardous substances) | Not listed |
| SARA Section 313 (Specific toxic chemical listings) | Not listed |
| TSCA (Toxic Substances Control Act) | Listed |
| Proposition 65 (California) | |
| Chemicals known to cause cancer | Not listed |
| Chemicals known to cause reproductive toxicity for females | Not listed |
| Chemicals known to cause reproductive toxicity for males | Not listed |
| Chemicals known to cause developmental toxicity | Not listed |
| Carcinogenic Categories | |
| IARC (International Agency for Research on Cancer) | Not listed |
| TLV (Threshold Limit Value established by ACGIH) | Not listed |
| NIOSH-Ca (National Institute for Occupational Safety and Health) | Not listed |
| OSHA (Occupational Safety & Health Administration) | Not listed |
| Canada | |
| Canadian Domestic Substances List (DSL) | Listed |
| Canadian Ingredient Disclosure list (limit 0.1%) | Not listed |
| Canadian Ingredient Disclosure list (limit 1%) | Not listed |
| REACH | |
| REACH Candidate List | Not listed |
| REACH XIV List | Not listed |

Chemical Safety Assessment: No information available

## 16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.