Safety Data Sheet

MR 1086

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Mobile Rosin Oil Company P.O. Drawer 70107 Mobile, AL 36670 Phone 251-476-4282	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA) Mobile Rosin: 251-476-4282 (day) 1-888-455-6064 (nights and weekends)
Trade Name(s): MR 1086	Synonyms: Rosin oil, Tall oil Blend
Chemical Name: Proprietary	Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.
Issued By: Sovereign Chemical Company According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS	Date of Issue: November 1, 2018

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

GHS08 Health Hazard
Carc. 1B H350 May cause cancer.

GHS07
Skin Sens. 1 H317 May cause an allergic skin reaction.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Sensitizing
R43: May cause sensitization by skin contact.

Information concerning particular hazards for human and environment: The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Classification system: The classification is according to the latest editions of the EU-lists and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists and is supplemented by information from technical literature and by information provided by the company.

2.2 Label elements
Labeling according to Regulation (EC) No 1272/2008
The substance is classified and labeled according to the CLP regulation.

Hazard pictograms


GHS07 GHS08

Signal word Danger

Hazard-determining components of labeling: Distillates (petroleum), hydrotreated heavy naphthenic

Hazard statements

H317 May cause an allergic skin reaction.

H350 May cause cancer.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P281	Use personal protective equipment as required.
P202	Do not handle until all safety precautions have been read and understood.
P301+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: Restricted to professional users.

Hazard description

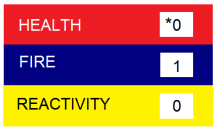
WHMIS-symbols:

D2B – Toxic material causing other toxic effects

NFPA ratings (scale 0-4)

Health = 0
Fire = 1
Reactivity = 0

HMIS ratings (scale 0-4)



Health = *0
Fire = 1
Reactivity = 0

* - Indicates a long-term health hazard from repeated or prolonged exposures.

HMIS Long Term Health Hazard Substances: =p 1None of the ingredients is listed.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components

CAS: 64742-52-5 EINECS: 265-155-0 Index number: 649-465-00-7	Distillates (petroleum), hydrotreated heavy naphthenic Carc. 1B, H350	>50%

CAS: 8050-09-7 EINECS: 232-475-7 Index number: 650-015-00-7	Rosin Xi R43 Skin Sens. 1, H317	10-25%

Additional information: For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures
General information: Immediately remove any clothing soiled by the product.
After inhalation
Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of irregular breathing or respiratory arrest provide artificial respiration.
After skin contact
Do not pull solidified product off the skin.
Immediately wash with water and soap and rinse thoroughly.
After contact with the molten product, cool rapidly with cold water.
If skin irritation continues, consult a doctor.
Seek immediate medical help for blistering or open wounds.
After eye contact
Rinse opened eye for several minutes under running water.
Remove contact lenses if worn.
Seek immediate medical advice.
After swallowing
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed
Allergic reactions
Thermal burns.
Gastric or intestinal disorders when ingested.
Hazards: Limited evidence of a carcinogenic effect.

4.3 Indication of any immediate medical attention and special treatment needed
Medical supervision for at least 48 hours.
If necessary oxygen respiration treatment.
Contains Rosin. May produce an allergic reaction.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing agents
Foam
Carbon dioxide
Gaseous extinguishing agents
Fire-extinguishing powder
For safety reasons, unsuitable extinguishing agents: Water.

5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters
Protective equipment
Wear self-contained respiratory protective device.
Wear fully protective suit.
Additional information: No further relevant information available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Prevent formation of aerosols.
Avoid splashes or spray in enclosed areas.
Use only in well ventilated areas.
Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility
Store away from foodstuffs.
Store away from oxidizing agents.
Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

7.3 Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.
8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: 8050-09-7 Rosin

TLV (USA)	(SEN); L NIC-DSEN, RSEN
EL (Canada)	S

DNELs: No further relevant information available.
PNECs: No further relevant information available.
Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment
General protective and hygienic measures
Thermal protection must be provided when substance product is heated.
The usual precautionary measures are to be adhered to when handling chemicals.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Respiratory protection
Suitable respiratory protective device recommended.
Use suitable respiratory protective device when aerosol or mist is formed.
Use suitable respiratory protective device when high concentrations are present.
NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.
Protection of hands

Protective gloves

Wear gloves for the protection against mechanical hazards according to NIOSH or EN 388.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection

Safety glasses

Body protection
Thermal protection must be provided when substance/product is heated.
Protective work clothing.
Full head, face and neck protection.
Limitation and supervision of exposure into the environment: No further relevant information available.
Risk management measures
See Section 7 for additional information.
No further relevant information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
General Information

Appearance Form: Viscous liquid. Color: Dark brown.	Change in Condition Melting Point/Range: Not determined. Boiling point/Range: >500°F/>260°C.
Odor: Characteristic.	Odor threshold: Not determined.
pH: Not applicable.	Flash point: >350°F/>177°C.
Vapor Pressure at 20 °C: <1.3 hPa (>1 mm Hg).	Flammability (solid, gaseous): Not applicable.
Density at 20 °C: 0.97 g/cm³.	Auto/Self-Ignition temperature: >600°F/>316°C.
Relative density: Not determined.	Decomposition temperature: Not determined.
Vapor Density (Air = 1): Not determined.	Self-igniting: Product is not self-igniting.
Partition coefficient (n-octanol/water) at 20 °C: >3.0 log POW (estimate)	Danger of explosion: Product does not present an explosion hazard.
Solubility in / Miscibility with water: Insoluble.	Evaporation rate Not determined.
Viscosity Dynamic at 20 °C: 150-275 cPs. Kinematic: Not determined.	Explosion limits Lower: Not determined. Upper: Not determined.

9.2 Other information: No further relevant information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions
Toxic fumes may be released if heated above the decomposition point.
Reacts with strong alkali.
Reacts with strong oxidizing agents.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity

LD/LC50 values relevant for classification:		
64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic		
Oral	LD50	>5000 mg/kg (rat)

Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4h	5 mg/l (rat)

Primary irritant effect
on the skin: No irritant effect.
on the eye: No irritant effect.
Sensitization: Sensitization possible through skin contact.
Additional toxicological information
The product shows the following dangers according to the calculation method of the General EU Classification
Guidelines for Preparations as issued in the latest version:
Irritant.
Danger through skin adsorption.
Toxic and/or corrosive effects may be delayed up to 24 hours.
May cause cancer.
Acute effects (acute toxicity, irritation and corrosivity): Product may cause thermal burns when heated.
Sensitization: Sensitization possible by skin contact.
Repeated dose toxicity
May cause damage to organs through prolonged or repeated exposure.
Repeated exposure may result in skin sensitivity.
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction): Carc. 1B

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.
Additional ecological information
General notes
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water.
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment cannot be excluded.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system. Product is recyclable as a waste oil. Deliver unused and/or contaminated product to waste oil collectors. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
Uncleaned packaging
Recommendation: · Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

14. TRANSPORTATION INFORMATION

14.1 UN Number — The below regulations apply only when this product is shipped at a temperature of 212 °F / 100 °C or above. This product is not regulated when shipped under 212°F / 100°C.

DOT, ADR, IMDG, IATA	UN3257

14.2 UN proper shipping name

DOT	Elevated temperature liquid, n.o.s.
ADR	3257 ELEVATED TEMPERATURE LIQUID, N.O.S.
IMDG, IATA	ELEVATED TEMPERATURE LIQUID, N.O.S.

14.3 Transport hazard class(es)

DOT

Elevated temperature label required.

Class	9 Miscellaneous dangerous substances and articles.
Label	9

ADR

Class	9 (M9) Miscellaneous dangerous substances and articles.
Label	9

IMDG, IATA

Class	9 Miscellaneous dangerous substances and articles.
Label	9

14.4 Packing group

DOT, ADR, IMDG, IATA	III

14.5 Environmental hazards

Marine pollutant	No

14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
Danger code (Kemler)	90
EMS Number	F-A, S-P.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional information

ADR	
Limited quantities (LQ)	0
Transport category	3
Tunnel restriction code	D
UN "Model Regulation"	UN3257, ELEVATED TEMPERATURE LIQUID, N.O.S., 9, III

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture United States (USA)

SARA Section 355 (extremely hazardous substances)	None of the ingredients is listed.
SARA Section 313 (Specific toxic chemical listings)	None of the ingredients is listed
TSCA (Toxic Substances Control Act)	All ingredients are listed
Proposition 65 (California)	
Chemicals known to cause cancer	Present in trace quantities: Polycyclic aromatic hydrocarbons, benzene, toluene, ethylbenzene.
Chemicals known to cause reproductive toxicity for females	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males	None of the ingredients is listed.
Chemicals known to cause developmental toxicity	None of the ingredients is listed.
Carcinogenic Categories	
EPA (Environmental Protection Agency)	None of the ingredients is listed.
IARC (International Agency for Research on Cancer)	None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH)	None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety and Health)	None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)	None of the ingredients is listed.
Canada	
Canadian Domestic Substances List (DSL)	All ingredients are listed.
Canadian Ingredient Disclosure list (limit 0.1%)	None of the ingredients is listed.
Canadian Ingredient Disclosure list (limit 1%)	None of the ingredients is listed.

Other regulations, limitations and prohibitive regulations
This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
Substances of very high concern (SVHC) according to REACH, Article 57: None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.
Relevant phrases
H317 May cause an allergic skin reaction.
H350 May cause cancer.
R43 May cause sensitization by skin contact.

Abbreviations and acronyms
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Skin Sens. 1: Sensitisation Skin, Hazard Category 1
Carc 1B: Carcinogenicity, Hazard Category 1B