

Damar Resin

SAFETY DATA SHEET

according to Federal Register / Vol. 77, No. 58 / Date of Issue: 17/03/2022

SECTION 1: IDENTIFICATION

Product Identifier

Product form: Crystalline

Substance name: Damar Resin

CAS No: 9000-16-2

Formula:

Intended use of the product

Grade or use of the product: Damar is a natural resin used primarily in ink, paint, polish, varnish and finishing compositions.

Details of the supplier of the data sheet

R&F Handmade Paints

84 Ten Broeck

Kingston, NY 12401

Ph: 845-331-3112

Fax: 945-331-3242

rfpaints.com

darin@rfpaints.com

Emergency telephone number +01 845-331-3112

SECTION 2: HAZARD IDENTIFICATION

Classification of the product

GHS-US classification: Not a dangerous substance according to GHS.

Label elements GHS-US

Hazard pictograms (GHS-US): N/A

Signal word (GHS-US): N/A

Hazard statement (GHS-US): N/A

Precautionary statements statement

(GHS-US): No known OSHA hazards

Other hazards: none

Unknown acute toxicity (GHS-US): no data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name	Product Identifier	%
Damar Resin	CAS#9000-16-2	100

GHS-US classification

No ingredients are hazardous according to OSHA criteria.

Synonyms: Gum Damar

Full text of H-phrases available in section 16

SECTION 4: FIRST AID MEASURES

Description of first aid measures

First-aid measures in general:

First-aid measures after inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

First-aid measures after skin contact: Wash off with soap and plenty of water.

First-aid measures after eye contact: Flush eyes with water as a precaution.

First-aid measures after ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

Symptom/injuries:

Symptom/injuries after inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Symptom/injuries after skin contact: May be harmful if absorbed through skin. May cause skin irritation.

Symptom/injuries after eye contact: May cause eye irritation.

Symptom/injuries after ingestion: May be harmful if swallowed.

Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media:

Special hazards arising from the substance or mixture

Fire hazard: no data available

Explosion hazard: no data available

Reactivity: no data available

Advice for firefighters

Firefighting instructions:

SMALL FIRE: Use dry chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Protection during firefighting: Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures: Avoid dust formation. Avoid breathing vapors, mist or gas.

For non-emergency personnel

Protective equipment: HMIS – Type E

Emergency procedure: n/a

For emergency responders

Protective equipment: HMIS – Type E

Emergency procedure: n/a

Environmental precautions

Do not let product enter drains.

Methods and material for containment and cleaning up– n/a

For containment: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Methods for cleaning up: Clean up mechanically. Normal disposal of remaining material.

Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Additional hazards when processed:

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Hygiene measures General industrial hygiene practice.

Conditions of safe storage, including any incompatibilities

Technical measures:

Storage conditions: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Incompatible products:

Incompatible materials:

Storage area: Store in a cool and dry area.

Special rules on packaging:

Specific end use(s)

no data available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Contains no substances with occupational exposure limit values.

Regulatory organism	Exposure limit
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OSHA ¹ PEL ²	n/a
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ACGIH ³ TVL-STEL ⁴	n/a
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NIOSH ⁵ REL ⁶	n/a
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Exposure controls

Appropriate engineering controls: none

Personal protective equipment: Gloves. Lab coat. Dust respirator. Safety glasses.

Hand protection:

Handle with gloves. Gloves must be inspected prior to use.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN

¹ OSHA: Occupational Safety Health Administration

² PEL: Permissible Exposure Limit
³ ACGIH: American Conference of Governmental Industrial Hygienists
⁴ TVL-STEL: Threshold Limit Value – Short-term Exposure Limit
⁵ NIOSH: National Institute for Occupational Safety and Health
⁶ REL: Recommended Exposure Limit

166(EU).

Skin and body protection:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazard protection: no data available

Other information: no data available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Solid

Appearance: nuggets

Color: yellow to water white

Odor: slightly aromatic

Odor Threshold: no data available

pH: no data available

Melting point/freezing point: 65°C – 105°C

Initial boiling point and boiling range not applicable

Flash point: 235°C (455°F)

Evaporation rate: no data available

Flammability (solid, gas): no data available

Upper/Lower flammability or explosive limits: no data available

Vapor pressure: no data available

Vapor density: no data available

Relative density: no data available

Solubility: Aryl, Aliphatic Hydrocarbons and Terpenes

Partition coefficient: n-octanol/water: no data available

Auto-ignition temperature: no data available

Decomposition temperature: no data available

Viscosity: no data available

Other information

no data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: no data available

Chemical stability: Stable under normal conditions of storage and handling.

Possibility of Hazardous Reactions: no data available

Conditions to avoid: Avoid all possible sources of ignition.

Incompatible Materials: Strong oxidizing agents

Hazardous decomposition products:

Hazardous decomposition products formed under fire

conditions. - Carbon oxides. Other decomposition products -

no data available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effect

Acute toxicity: Not classified

LD50 oral rat no data available

LF50 dermal rabbit no data available

LC50 inhalation rat (mg/L) no data available

Skin corrosion/irritation: no data available

Serious eye damage/irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No EPA (CERCLA) Reportable Quantity.

Reproductive toxicity: no data available

Specific target organ toxicity (single exposure): no data available

Specific target organ toxicity (repeated exposure): no data available

Aspiration hazard: no data available

Symptoms/injuries after inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Symptoms/injuries after eye contact: May cause eye irritation.

Symptoms/injuries after ingestion: May be harmful if swallowed.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

no data available

LC50 fish 1 n/a

EC50 Daphnia 1 n/a

Persistence and degradability

Persistence and degradability no data available

Bioaccumulative potential

no data available

Log Kow no data available

Bioaccumulative potential no data available

Mobility in soil

no data available

Other adverse effects

no data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Appropriate disposal containers to use:

Waste disposal recommendations: Offer surplus and non-recyclable solutions to a licensed disposal company.

Physical and chemical properties that may affect disposal activities:

Special precaution for landfills or incineration:

Additional information: It is not listed as hazardous waste.

SECTION 14: TRANSPORT INFORMATION

In accordance with ICA/IATA/DOT/TDG/IMO

UN number and name Not classified as hazardous for transport.

UN-No. (DOT): Not a DOT controlled material (United States).

UN proper shipping name:

DOT (US) Not dangerous goods

IATA Not dangerous goods

IMDG Not dangerous goods

Transport Hazard classes BY ROAD

DOT Hazard classes: n/a

DOT Hazard labels: n/a

DOT packing group: n/a

DOT special provisions (49 CFR 172.102): n/a

DOT packaging exceptions (49 CFR 173.xxx): n/a

DOT packaging non bulk (49 CFR 173.xxx): n/a

DOT packaging bulk (49 CFR 173.xxx): n/a

Transport Hazard classes BY AIR

DOT/IATA Hazard classes: n/a

DOT/IATA Hazard labels: n/a
DOT/IATA packing group: n/a
DOT/IATA special provisions (49 CFR 172.102): n/a
DOT/IATA packaging exceptions (49 CFR 173.xxx): n/a
DOT/IATA packaging non bulk (49 CFR 173.xxx): n/a
DOT/IATA packaging bulk (49 CFR 173.xxx): n/a
DOT/IATA quantity limitations
passenger aircraft/rail (49 CFR 173.27):
n/a
DOT/IATA quantity limitations cargo
aircraft/rail (49 CFR 175.75): n/a

Transport Hazard classes BY RAIL

DO Hazard classes: n/a
DOT/ Hazard labels: n/a
DOT packing group: n/a
DOT/IATA special provisions (49 CFR 172.102): n/a
DOT packaging exceptions (49 CFR 173.xxx): n/a
DOT packaging non bulk (49 CFR 173.xxx): n/a
DOT packaging bulk (49 CFR 173.xxx): n/a

Transport Hazard classes BY SEA

DOT/IMO Hazard classes: n/a
DOT/IMO Hazard labels: n/a
DOT/IMO packing group: n/a
DOT/IMO special provisions (49 CFR 172.102): n/a
DOT/IMO packaging exceptions (49 CFR 173.xxx): n/a
DOT/IMO packaging non bulk (49 CFR 173.xxx): n/a
DOT/IMO packaging bulk (49 CFR 173.xxx): n/a
Environmental hazard: ADR/RID: no IMDG Marine pollutant: no IATA: no

Additional information

Special precautions no data available

SECTION 15: REGULATORY INFORMATION

National/Regional regulation

OSHA Hazards

No known OSHA hazards

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III,

Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that

exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Damar Resin CAS-No. 9000-16-2

New Jersey Right To Know Components

Damar Resin CAS-No. 9000-16-2

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION**Revision details**

Date and details of the changes:

Other information:

GHS full text phrases**NFPA hazards**

NFPA health hazards: 1

NFPA fire hazards: 1

NFPA reactivity: 0

HMIS III Rating

Health: 1

Flammability: 1

Physical hazards: 0

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. R&F Handmade Paints Inc. makes no representation or warranty of any kind, express or implied regarding such information and assumes no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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R&F Item #	Product Type	Item Description
916-1	Damar Resin	1lb. Bag
916-5	Damar Resin	5lb. Bag
916-10	Damar Resin	10lb. Bag