

SECTION 1: Product and Company Identification

1.1. Product identifier

Product Number VTAC 8501
 Product Name Rosin Ester Tackifier Dispersion
 Product Class Glycerol Ester of Rosin

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/preparation Rosin Ester Tackifier Dispersion

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

VALPAC, INC.
 1400 Industrial Park Road
 Federalsburg, MD 21632
 1-410-754-7390

1.4. Emergency telephone number

Emergency number 1-800-535-5053 (INFOTRAC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

| <u>Hazard Class</u> | <u>Category</u> | <u>Hazard Statement</u> |
|---|-----------------|-------------------------|
| Skin Irritation | 2 | H315 |
| Eye Irritation | 2 | H319 |
| Skin Sensitization | 1 | H317 |
| Specific Target Organ Toxin – Single Exposure | 3 | H335 |

If applicable, full text of H-phrases appear in “Label elements” below

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

GHS Labeling Elements

This mixture is not classified as hazardous according to GHS classification criteria.

Hazard pictograms



GHS07

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| Signal word | WARNING |
| Hazard statements | H315 – Causes skin irritation H319 – Causes serious eye irritation H317 – May cause an allergic skin reaction H335 – May cause respiratory irritation |
| Precautionary statements (prevention) | P280 – Wear protective gloves/protective clothing/eye/face protection P264 – Wash thoroughly after handling P261 – Avoid breathing fumes, mists or vapors. P272 – Contaminated work clothing should not be allowed out of the workplace P271 – Use only outdoors or in a well-ventilated area |
| Response statements (response) | P302+P352 – IF ON SKIN: Wash with plenty of soap and water. P333+P313 – If skin irritation or rash occurs: Get medical advice/attention. P362 – Take off contaminated clothing and wash before reuse. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: Get medical advice/attention. P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 – Call a POISON CENTER or doctor/physician if you feel unwell. |
| Response statements (storage and disposal) | P403+P235 – Store in a well-ventilated place. Keep cool. P405 – Store locked up. P501 – Dispose of contents/container in accordance with federal, state and local regulations. |

2.3. Other hazards/labeling information

None

SECTION 3: Composition/information on ingredients

Hazardous ingredients

| Name | CAS # | %/wt. |
|---------------------|-----------|-------|
| Benzisothiazolinone | 2634-33-5 | <8 |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------|--|
| First-aid measures – if inhaled | Move to fresh air. Seek medical attention if needed. |
| First-aid measures – if on skin | Rinse skin with soap and water. Seek medical attention if irritation develops or persists. |
| First-aid measures – if in eyes | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Seek medical attention if irritation develops or persists. |

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| First-aid measures – if swallowed | Call a poison control center or doctor immediately for treatment advice. Give water to dilute. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person |
| Notes to physician | Treat symptomatically |

4.2. Most important symptoms and effects, both acute and delayed

May cause mild irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | Mixture is not flammable. Dried material can be extinguished with carbon dioxide (CO ₂), dry chemical, foam, water spray |
| Unsuitable extinguishing media | Not applicable |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|--|
| Fire hazard | Mixture is not flammable. |
| Explosion hazard | None known |
| Reactivity | The product is stable at normal handling and storage conditions. |

5.3. Advice for firefighters

| | |
|---------------------------|--|
| Firefighting instructions | Use positive pressure, self-contained breathing apparatus and protective clothing. Remove container from fire area if possible. Containers may be cooled with water fog or spray if not leaking. |
|---------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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| General measures | Ventilate the area. Use appropriate personal protective equipment (PPE – See Section 8). Scoop or mop up spills. Absorb with sand, vermiculite, etc. Transfer to containers for discarding. |
|------------------|---|

6.1.1. For non-emergency personnel

| | |
|----------------------|---|
| Protective equipment | Wear appropriate personal protective equipment (PPE). |
| Emergency procedures | Avoid contact with spilled material |

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | Wear appropriate personal protective equipment (PPE). |
|----------------------|---|

6.2. Environmental precautions

Prevent material from entering sewers, waterways, or low areas.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| Methods for cleaning up | Scoop or mop up spills. Absorb with sand, vermiculite, etc. Transfer to containers for discarding. |
|-------------------------|--|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Avoid contact with skin and eyes; and use appropriate personal protective equipment. Local exhaust is needed at source of dust. Mechanical ventilation is recommended. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Keep material from freezing. Keep closure tight and container upright to prevent leakage. Do not store above 125 °F.

SECTION 8: Exposure controls/personal protection

8.1. Personal protective equipment

Wear safety glasses, gloves and protective clothing to prevent skin contact. Wear a NIOSH-approved air purifying respirator (dust mask) during spray/misting conditions.

8.2. Exposure controls

Ensure adequate ventilation, especially in confined areas.

There are no exposure limits established for the components in this mixture

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | Liquid |
| Color | Off White |
| Odor | Slight acrylic odor |
| Odor threshold | No data available |
| pH | 7 – 9 |
| Relative evaporation rate (butyl acetate=1) | Not applicable |
| Melting point | Not applicable |
| Freezing point | 32 °F |
| Boiling point | 212 °F |
| Flash point | None |
| Self-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Flammability (solid, gas) | Not flammable |
| Vapor pressure | 18 mmHg @ 25 °C |
| Relative vapor density at 20 °C | No data available |
| Relative density | 0.99-1.05 at 25 °C |

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|----------------------|-------------------|
| Solubility | Emulsifiable |
| Log Pow | No data available |
| Log Kow | No data available |
| Viscosity, kinematic | No data available |
| Viscosity, dynamic | No data available |
| Explosive properties | Non explosive |
| Oxidizing properties | None |
| Explosive limits | Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known. Polymerization will not occur.

10.4. Conditions to avoid

Keep from freezing.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Burning of dried coating can produce carbon dioxide & carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Not acutely toxic.

| Acute toxicity estimates | |
|----------------------------|-------------------|
| LD50 oral rat | >5000 mg/kg |
| LD50 dermal rabbit | >5000 mg/kg |
| LC50 inhalation rat (mg/l) | No data available |

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | Causes skin irritation |
| Serious eye damage/irritation | Causes severe eye irritation. |
| Respiratory or skin sensitization | May cause an allergic skin reaction |
| Germ cell mutagenicity | Not classified as a mutagen |
| Carcinogenicity | Not classified as a carcinogen by IARC, NTP, OSHA or IARC. |

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|--|--|
| Reproductive toxicity | Not classified as a reproductive toxin |
| Specific target organ toxicity (single exposure) | May cause respiratory irritation |
| Specific target organ toxicity (repeated exposure) | Not classified per GHS criteria. |
| Aspiration hazard | Not classified |

SECTION 12: Ecological information

12.1. Toxicity

EC50: No data available. Expected to be toxic to aquatic organisms.

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

None expected to bioaccumulate.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal Dispose of in compliance with federal, state and local regulations.

SECTION 14: Transport information

Not Regulated by US DOT or Canadian TDG for ground shipment

Ground transport

Not Regulated by US DOT

Not Regulated by Canadian TDG

Transport by sea (IMDG)

Not Regulated by IMDG

Air transport (IATA)

Not Regulated by IATA

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Additional Air, Sea and International Transportation Information

| | |
|--------------------------------|----------------|
| UN-No. | Not Applicable |
| Proper Shipping Name | Not Applicable |
| Transport document description | Not Applicable |
| Class (UN) | Not Applicable |
| Hazard labels (UN) | None |
| Packing group (UN) | Not Applicable |
| Marine Pollutant (Y/N) | No |
| Dangerous for the environment | No |

SECTION 15: Regulatory information

TSCA Inventory:

All components in these products are listed on the TSCA Inventory or are exempt from listing thereunder. If you need more information on the inventory status of this material, contact Valpac at 1-410-754-7390

SARA 313 Regulated Chemical(s): Not applicable

Title III hazard classification:

Acute Health Hazard: Yes
Chronic Health Hazard: No
Fire: No
Reactivity/Physical hazard: No
Pressure: No

Canadian Regulatory Information:

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: D2B - Toxic.

Additional Regulatory Information:

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA, we recommend you contact us at 1-410-754-7390 to request an export review.

SECTION 16: Other information

NFPA: Health: 1; Flammability: 0; Reactivity: 0; Specific:
HMIS: Health: 1; Flammability: 0; Physical Hazard: 0; PPE: B
MSDS US

Prepared By: Valpac, Inc.

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