



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : RMA3500
Product form : Mixture
Product code : NONE

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

Use of the substance/mixture : Resin Glue

1.3. Details of the supplier of the safety data sheet

RhinoTech, Inc.
P.O. Box 5426
Sarasota, FL 34277
651.686.5027

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

| <u>Hazard Code</u> | <u>Hazard Class</u> | <u>Hazard Category</u> |
|--------------------|---------------------|------------------------|
| H225 | Flammable liquids | 2 |

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal Word (GHS-US): **Danger**

Hazard Statements (GHS-US):

H225: Highly flammable liquid and vapor

Precautionary statements (GHS-US):

- P210: Keep away from heat/sparks/open flames/hot surfaces. -No smoking.
- P233: Keep container tightly closed
- P240: Ground/bond container and receiving equipment
- P241: Use explosion-proof electrical/ventilating/lighting/equipment
- P242: Use only non-sparking tools
- P243: Take precautionary measures against static charge
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P370+378: In case of fire: Use suitable extinguishing media for extinction (SEE SECTION 5)
- P403+235: Store in a well ventilated place. Keep cool
- P501: Dispose of contents/container in accordance with local, state and federal authorities.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | CAS# | % |
|---------------------------|-------------|---------|
| 1,3-Dioxolane | 646-06-0 | 80 - 90 |
| Resin - Polyester polymer | Proprietary | 10 - 20 |

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Use artificial respiration and oxygen if needed. Consult a physician.
- First-aid measures after skin contact : IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). Consult a physician.
- First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids away from the eye (15 minutes minimum). Consult a physician.
- First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Seek medical attention.

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

- Symptoms/injuries : Prolonged exposure may cause skin cracking and dermatitis in sensitive individuals. May cause eye irritation.
- Symptoms/injuries after inhalation : May cause headache, nausea and irritation of respiratory tract.
- Symptoms/injuries after skin contact : May cause skin irritation. Slight skin absorption; no toxic effects likely by this route.
- Symptoms/injuries after eye contact : Causes eye irritation and damage.
- Symptoms/injuries after ingestion : May cause gastrointestinal irritation, nausea, vomiting, and diarrhea if swallowed.
- Chronic symptoms : No data available.

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 : Alcohol-resistant foam. Carbon dioxide. Dry powder. Water spray.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flash Point 26 F (Closed Cup).
- Explosion hazard : Product is not explosive.
- Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

- Firefighting instructions : Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Remove all sources of ignition. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

- Protective equipment : Wear protective equipment as described in Section 8.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Approved supplied-air respirator, in case of emergency. Wear suitable protective clothing, gloves and eye or face protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

- For containment : Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and open flame. Use proper grounding and bonding. Keep away from any sources of ignition. Store in cool well ventilated area. Keep container closed when not in use. Use only with adequate ventilation. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Wash thoroughly after handling. Do not breathe mist or vapor. Do not get in eyes. Do not get on skin. Do not swallow.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from: heat sources. Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No OSHA and ACGIH PEL's or TLV's for the listed ingredients of this product unless stated below :
NO DATA

8.2. Exposure controls

- Personal protective equipment : Face shield. Gloves. Protective clothing. Protective goggles. Respiratory protection of the dependent type.
- Hand protection : Chemical resistant gloves.
- Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
- Skin and body protection : Wear long sleeves. Wear suitable protective clothing.
- Respiratory protection : In case of inadequate ventilation wear respiratory protection. If handling results in dust, mist, or aerosols, special ventilation may be required to avoid exceeding exposure limits for nuisance or oil mist particles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : No data available
- Color : No data available
- Odor : Solvent.
- Odor Threshold : No data available
- pH : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : 26 F (Closed Cup).
- Self ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapor pressure : No data available
- Relative vapor density at 20 °C : No data available
- Relative density : 1.06 @ 25 °C
- Solubility : No data available
- Log Pow : No data available
- Log Kow : No data available

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| | |
|----------------------|---------------------|
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Flammable, keep cool and away from sources of ignition. Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Avoid heat, flames, and sparks. Keep away from extreme temperatures and direct sunlight.

10.5. Incompatible materials

Strong acids, strong bases, oxidizers, reducing agents.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Oral LD50: > 2000 mg/kg (rat) Calculated

Dermal LD50: > 2000 mg/kg (rabbit) Calculated

Inhalation LC50: No Data

| | |
|--|---|
| Skin corrosion/irritation | : May cause skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation and damage. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |
| Symptoms/injuries after inhalation | : See SECTION 4 |
| Symptoms/injuries after skin contact | : See SECTION 4. |
| Symptoms/injuries after eye contact | : See SECTION 4 |
| Symptoms/injuries after ingestion | : See SECTION 4. |
| Chronic symptoms | : No data available. |
| Notes: | No data available. |

SECTION 12: Ecological information

12.1. Toxicity

No Data

12.2. Persistence and degradability

No Data

12.3. Bioaccumulative potential

No Data

12.4. Mobility in soil

No Data

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12.5. Other adverse effects

No Data

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

14.1. UN number, proper shipping name, class and packaging group.:

DOT (US) INFORMATION

Proper Shipping Name: Dioxolane
Hazard Class: 3
ID Number: UN 1166
Packaging Group: II
Label Requirements: Primary: Flammable
Reportable Quantity: NA

14.2. Additional information

SECTION 15: Regulatory information

15.1. US Federal regulations

TSCA Inventory: The components of this product are listed.

SARA Section 311/312, Hazard Category (40CFR 370.2): Chronic health hazard, Fire hazard.

SARA Section 313, Toxic Release Reporting (40CFR Part 372): No listed substance known over 1.0% or over 0.1% that are also carcinogenic.

SARA Section 302, EHS Emergency Planning (40CFR Part 355): No listed substance known over 1.0%.

SARA Section 304, EHS Release Reporting (40CFR Part 355): No listed substance known over 1.0%.

CERCLA Section 102-103 HS Release Reporting (40 CFR par302-102a): No listed substance known over 1.0%.

15.2. International regulations

No Data

15.2.2. National regulations

No Data

15.3. US State regulations

California Prop. 65:

No listed substances known to be present.

SECTION 16: Other information

Other information :
: None.

NFPA health hazard : 1
NFPA fire hazard : 3
NFPA reactivity : 0

HMIS III Rating

Health : 1
Flammability : 3
Physical : 0
Personal Protection :

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