



Safety Data Sheet

REMA Tire Repair Materials

Product #s: 74, 75, 75N

SDS #: RTT-TRM-039

Rev. # 6

Rev. Date: 1/29/2014

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Universal Mounting Paste

Chemical Family: Alcohol; Glycol Solution

Product Use: Tire Mounting

Restrictions on Use: Use as directed by manufacturer

Manufacturer: Rema Tip Top - North America
119 Rockland Ave.
Northvale, NJ 07647
Phone: 201 256-8200

24-Hour Emergency Phone Number: North America: 800-424-9300 (CHEMTREC)
International: 703-527-3887 (CHEMTREC) Collect Calls Accepted

2. HAZARD IDENTIFICATION

GHS Classification

Health Hazards

Eye Irritation, Category 2B

Germ Cell Mutagenicity, Category 1A

Reproductive Toxicity, Category 1B

Specific Target Organ Systemic Toxicity, Repeated Exposure, Category 1, Kidney [Inhalation, Ingestion, Skin absorption]

Specific Target Organ Systemic Toxicity, Repeated Exposure, Category 2, Central Nervous System, Liver [Inhalation, Ingestion, Skin absorption]

GHS Labeling

Pictograms:



Signal Word: Danger!

Hazard Statements

H320: Causes eye irritation



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H340: May cause genetic defects
H360: May damage fertility or the unborn child
H372: Causes damage to organs through prolonged or repeated exposure
H373: May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

Prevention:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe vapours.
P263: Avoid contact during pregnancy/while nursing.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear eye protection / face protection.
P281: Use personal protective equipment as required.

Response:

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313: IF exposed or concerned: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.
P337 + P313: If eye irritation persists: Get medical advice/attention.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with local/regional/national regulations.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization

Alcohol; Glycol Solution

Component*	CAS #	Weight %
Ethylene Glycol	107-21-1	12 – 27

*The above listed components are OSHA hazardous materials which contribute to this products' GHS Hazard Categorization as prescribed in OSHA's Hazard Communication 29 CFR 1910.1200.



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4. FIRST AID MEASURES

Inhalation

Symptoms & Effects: Nausea, irritation of the nose and airways, headache, coughing

Measures: Immediately move outdoors or to fresh air. If irritation occurs, seek medical attention.

Skin Contact

Symptoms & Effects: Slight skin irritation, burning sensation, redness, swelling, and blisters

Measures: Wash contaminated areas with mild soap and water after use. Wash contaminated clothing before reuse. If skin irritation occurs, seek medical attention.

Eye Contact

Symptoms & Effects: Eye irritation, stinging sensation, tearing, and redness, and swelling of the eyes.

Measures: Immediately flush eyes gently with plenty of water for at least 15 minutes. While washing, remove contact lenses if present and easy to do so and continue rinsing. Rinse beneath eyelids by holding eyelids apart with clean fingers while washing. If eye irritation persists, seek medical attention.

Ingestion

Symptoms & Effects: Stomach or intestinal irritation, nausea, vomiting, abdominal cramps, diarrhea, lumbar pain, dizziness, drowsiness

Measures: Seek immediate medical attention. Do NOT induce vomiting. If awake and alert, rinse mouth and drink 1 glass of water to help dilute the material. Do not give liquids to a drowsy or unconscious person. If vomiting occurs, keep heads below hips to prevent aspiration. Transport to nearest medical facility for immediate treatment.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Alcohol-resistant foam, Water spray, Fog

Unsuitable Extinguishing Media: Dry chemicals, Carbon dioxide, & Water jets are to be used for small fires only.

Hazardous Combustion Products: Alcohols, Aldehydes, Ethers, Carbon monoxide, Carbon dioxide

Protective Equipment for Fire-Fighters: Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Precautions for Fire-Fighters: Material will not burn unless preheated. Carbon monoxide may be evolved if incomplete combustion occurs. Containers exposed to intense heat from fires should be cooled with large quantities of water. Keep adjacent containers cool by spraying with water.



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6. ACCIDENTAL RELEASE MEASURES

Protective Equipment: Recommended to wear chemical splash goggles & gloves and discard of gloves that show tears, pinholes, or signs of wear. Wear proper garments to reduce skin exposure, such as long-sleeves and pants.

Personal Precautions: Persons not wearing proper PPE should be excluded from the area of contamination until clean-up has been completed. Ensure adequate ventilation.

Environmental Precautions: Do not allow discharge into drains, surface waters, or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained or if material discharges into drains or ground water.

Methods & Materials for Clean-Up: Eliminate all sources of ignition and use non-sparking tools to collect absorbed material. Shovel or gather material and place in appropriate container for disposal. Wash spill area thoroughly.

7. HANDLING AND STORAGE

Handling: Avoid open heating or agitation that may generate vapors or mists. Do not handle near heat, sparks, or other ignition sources. Use only with adequate ventilation and personal protection. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product.

Storage: Keep container tightly closed and in a dry, cool and well-ventilated area, away from direct sunlight. Keep away from food, drink, and animal foodstuffs.

Incompatible Materials: Strong oxidizing agents, Strong acids, Strong bases, Permanganates, Peroxides, Dichromates, Reactive sodium compounds, Sulfur compounds, Alkali metals, Nitrates

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits :

Exposure Limits have not been established for this product.

Ethylene Glycol	CAS # 107-21-1	
OSHA	Ceiling Value (C)	50 ppm (125 mg/m ³)
ACGIH	Threshold Limiting Value (TLV)	100 mg/m ³
NIOSH	Ceiling Value (C)	50 ppm (125 mg/m ³)

Engineering Controls: Use product in a well-ventilated area.

Occupational Exposure Controls: Ensure adequate ventilation, especially in confined areas. Consider all potential hazards of this material, applicable exposure limits, job activities, and other substances in the work



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place when designing engineering controls and selecting PPE. Ensure that eyewash stations and safety showers are proximal to the work location. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Protective and Hygiene Measures: Wash hands before breaks and after handling product. When using, do not eat, drink, or smoke. In case of clothes contamination, remove and wash contaminated clothing before re-use.

Eye Protection: Recommended to wear goggles when there is potential for the exposure of the eyes to the product. Have a suitable eye wash station or bottle nearby in case of splashing into the eyes.

Hand Protection: Recommended to wear gloves when using this product, and to discard of gloves that show tears, pinholes, or signs of wear.

Skin Protection: Recommended to wear long-sleeved clothing, pants and proper foot covering in order to minimize direct skin contact with the product. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Respiratory Protection: Although unlikely, a NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White paste

Odor: Mild

Odor Threshold: No data available

pH: 10.5

Melting Point: No data available

Freezing point: No data available

Initial boiling point: > 126°F (52°C)

Boiling range: Not applicable

Flash point (Tag closed cup): > 241°F (> 116°C)

Evaporation rate: No data available

Flammability: Lower Limit: No data available **Upper Limit:** No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: 1.02 g/cm³ (8.50 lb/gal)

Solubility in water: Completely Soluble

Partition coefficient (n-octanol/water): No data available



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Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity (dynamic): No data available

10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Will not react under normal conditions.

Conditions to Avoid: Excessive heat

Incompatible Materials: Strong oxidizing agents, Strong acids, Strong bases, Permanganates, Peroxides, Dichromates, Reactive sodium compounds, Sulfur compounds, Alkali metals, Nitrates

Hazardous decomposition products: Alcohols, Aldehydes, Ethers, Carbon monoxide, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Primary Routes of Exposure: Skin contact, Eye contact, Ingestion

Symptoms Related to Physical, Chemical and Toxicological Characteristics: Nausea, irritation of the nose, throat and airways, dizziness, drowsiness, headache, defatting of the skin, irritation to the digestive tract

Delayed and Immediate Effects & Chronic Effects from Exposure: This material contains ethylene glycol which is a teratogen or has germ cell mutagenic effects with long-term exposure and contact. Ethylene glycol has also been shown to cause harm to fertility or to the unborn child based on studies with laboratory animals. Repeated oral exposures of high doses may result in deposition of calcium oxalate crystals in the kidney, resulting in kidney failure.

Measures of Toxicity:

Acute toxicities are calculated based on component toxicities

Mixture: Acute Oral Toxicity: No data available

Acute Dermal Toxicity: No data available

Acute Inhalation Toxicity: No data available

Based on component toxicities, this material does not pose any Acute Toxicity hazards as identified by OSHA 29 CFR 1910.1200.



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Ethylene Glycol

Acute Oral Toxicity

Acute Dermal Toxicity

Acute Inhalation Toxicity

CAS # 107-21-1

LD₅₀ Rat: 4,700 mg/kg

LD₅₀ Rabbit: 10,626 mg/kg

No Data Available

Carcinogen Claims:

OSHA: No

International Agency for Research on Cancer (IARC): No; 4 [Probably Not Carcinogenic]

ACGIH: No; A5 [Not Suspected]

National Toxicology Program (NTP) Report on Carcinogens: No

12. ECOLOGICAL INFORMATION

Eco-toxicity: This substance may be harmful to aquatic organisms. It is strongly advised that this substance does not enter the environment.

Ethylene Glycol

Toxicity to Fish

Toxicity to Daphnia

CAS # 107-21-1

LC₅₀ – 18,500 mg/l (Rainbow Trout; 96 h)

LC₅₀ > 10,000 mg/l (Golden Orfe; 48 h)

LC₅₀ – 49,000 mg/l (Fathead Minnow; 96 h)

EC₅₀ – 41,000 mg/l (Daphnia; 48 h)

Persistence & Degradability: Readily biodegradable

Bio-accumulative Potential: Does not bioaccumulate significantly

Mobility in Soil: Highly mobile

Other Adverse Effects: No data available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State or Local regulations.

Contaminated packaging should be emptied as far as possible before disposal.

14. TRANSPORT INFORMATION

DOT SHIPPING CLASSIFICATION:

This product is not regulated as a hazardous material for transport.

IMDG (Marine) SHIPPING CLASSIFICATION:

This product is not regulated as a dangerous good for transport.

IATA (Air) SHIPPING CLASSIFICATION:

This product is not regulated as a dangerous good for transport.



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15. REGULATORY INFORMATION

All components of this product conform to the following national inventory requirements. US TSCA, EU EINECS and Canada DSL

SARA Title III

Section 302 – Extremely Hazardous Chemicals

The following ingredients are subject to the supplier notification requirements of Section 302 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 37

None Listed

Section 313 – Toxic Chemicals

The following ingredients are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 37

Component	CAS #	Weight %	CERCLA RQ
Ethylene Glycol	107-21-1	12 – 27	5,000

OTHER FEDERAL REGULATIONS

Components of this product are subject to RCRA Hazardous Waste requirements. Clean Air Act (CAA) Hazardous Air Pollutants requirements and OSHA Process Safety Management (PSM) high hazard requirements.

CANADIAN REGULATIONS

WHMIS Classification: D2A (Based on components)

STATE REGULATIONS

California Proposition 65

This product does not contain materials known to the state of California to cause cancer, birth defects, and other reproductive harm.

The components of this product may be included on the various state hazardous materials lists noted below.

California Hazardous Substances List

Massachusetts Hazardous Substances List

New Jersey RTK Hazardous Substances List

New Jersey TCPA Extremely Hazardous Substances List

Pennsylvania Hazardous Substances List

Note: Entries under Section 15 are not intended to be all inclusive of Federal and State laws and regulations. Please consult the appropriate agencies for further clarification of any requirements.



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16. OTHER INFORMATION

This SDS conforms to the OSHA Hazard Communication Standard 1910.1200 published in the Federal Register March 26, 2012

MEDICAL EMERGENCIES:

Call CHEMTREC 24 hours a
Day for emergency information
800-424-9300

FOR ANY OTHER INFORMATION:

REMA TIP TOP - NORTH AMERICA
119 Rockland Ave.
NORTHVALE, NJ 07647
201-256-8200

NOTICE: REMA TIP TOP NORTH AMERICA believes that the information contained on this safety data sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive, nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of, applicable laws, regulations, rules or insurance requirements.

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