



Safety Data Sheet

REMA TIP TOP

Product #: Rema Goo, Part B &
101040004 (Rema Goo Kit)

SDS #: RTT-IND-008

Rev. # 5

Rev. Date: 01/19/2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rema Goo, Part B

Chemical Family: Polyurethane & Amine Solution

Product Use: Conveyer Belt / Rubber Repair Material

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 Classifications

Health Hazards

Acute Toxicity, Inhalation, Category 4*¹

Skin Sensitization, Category 1A

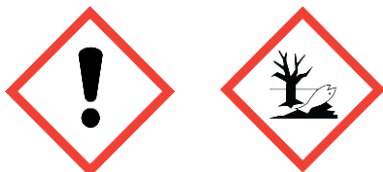
Specific Target Organ Systemic Toxicity, Single Exposure, Category 3, Central Nervous System, Respiratory Tract [Inhalation, Skin absorption, Ingestion]

Environmental Hazards

Chronic Aquatic Toxicity, Category 2

GHS-Labeling

Pictograms:



Signal Word: Warning!



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Hazard Statements

H317: May cause an allergic skin reaction
H332: Harmful if inhaled
H335: May cause respiratory irritation
H336: May cause drowsiness or dizziness
H412: Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P233: Keep container tightly closed.
P261: Avoid breathing vapours.
P264: Wash skin and exposed areas thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P314: Get medical advice/attention if you feel unwell.
P321: Specific treatment found in supplemental First Aid Section of this SDS (Section 4).
P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.

Storage:

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up

Disposal:

P501: Dispose of contents/container in accordance with local, regional, and federal regulations

*¹ < 90% of this product consists of components of unknown acute inhalation toxicity.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization

Polyurethane & Amine Solution



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Component*	CAS #	% By Wt.
Polyethyl Polyol	9082-00-2	45 – 60
Polypropylene Glycol	25322-69-4	15 – 30
Diethylmethylbenzenediamine	68479-98-1	1 – 5
Butane-1,4-diol	110-63-4	1 – 5
1,3-Bis(aminomethyl)benzene (MXDA)	1477-55-0	< 2

*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.

4. FIRST AID MEASURES

Inhalation

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

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

Skin Contact

Symptoms & Effects: Slight skin irritation, drying of the skin.

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: Remove contact lenses and immediately flush eyes gently with plenty of water for at least 15 minutes. Hold eyelids open and wash thoroughly. If eye irritation persists, seek medical attention.

Ingestion

Symptoms & Effects: Stomach or intestinal irritation, nausea, vomiting, diarrhea, irritation of the throat, dizziness, drowsiness, weakness, fatigue, nausea, headache

Measures: Seek immediate medical attention. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Alcohol-resistant foam, Carbon dioxide, Dry chemical, Water spray

Unsuitable Extinguishing Media: Full water jet

Hazardous Combustion Products: Chlorine compounds, Nitrogen oxides, Carbon monoxide, Carbon dioxide

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



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Precautions for Fire-Fighters: May generate ammonia gas, toxic nitrogen oxide gases, as well as carbon monoxide. Downwind personnel must be evacuated. Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Protective Equipment: Recommended to wear chemical splash goggles & resistant gloves, such as polyvinyl alcohol-based gloves, and discard of gloves that show tears, pinholes, or signs of wear. Wear proper garments to prevent 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. Eliminate all ignition sources and pay attention to the spreading of gases, especially at ground level.

Environmental Precautions: Do not allow discharge into drains, surface waters, or sanitary sewer system. Prevent spreading over a wide area by constructing a dike. 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: Contained spilled material with inert, non-combustible absorbent materials (e.g. sand, earth, diatomaceous earth, vermiculite). Transfer to a suitable container for disposal according to proper federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, or solid), all hazard precautions given in this SDS must be observed. Use only in well-ventilated areas. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing impervious protective gloves. Hands and other exposed areas should be washed thoroughly with soap and water after contact, especially before eating and/or smoking. Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material.

Storage: Store in a well-ventilated area, away from heat and ignition sources as well as from incompatible materials (see below). Keep container tightly closed and store locked up. Keep away from food, drink, and animal foodstuffs.

Incompatible Materials: Strong acids, Oxidizing agents



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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits :

Exposure limits have not been established for this product.

1,3-Bis(aminomethyl)benzene	CAS # 1477-55-0		
ACGIH	Ceiling Value (C)	0.1 mg/m ³	
NIOSH	Ceiling Value (C)	0.1 mg/m ³	

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below permissible exposure limits. Provide readily accessible eye wash stations and safety showers.

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 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: Do not inhale vapors. Wash hands before breaks and immediately 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 a full face shield with tight fitting, chemical splash goggles underneath when there is potential for the exposure of the eyes to the liquid, vapor or mist. Have a suitable eye wash station or bottle nearby in case of splashing into the eyes.

Hand Protection: Recommended to wear suitable resistant gloves and discard of gloves that show tears, pinholes, or signs of wear. Suitable gloves will be based on product use and the period of use, and may include neoprene, butyl-rubber, nitrile rubber, etc.

Skin Protection: Recommended to wear impervious clothing, such as a full rubber suit or slicker suit as well as long-sleeved clothing, pants and proper foot covering in order to prevent 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: 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.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber Liquid

Odor: Amine / Fishy

Odor Threshold: No data available

pH: > 8

Melting/Freezing point: No data available

Boiling point/range: > 410°F (> 210°C)

Flash point (Tag closed cup): > 290°F (> 140°C)

Evaporation rate: ≤ 1

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

Vapor pressure: No data available

Relative vapor density: > 1 (Air = 1)

Density: 1.01 g/cm³ (8.42 lbs/gal) @ 77°F (25°C)

Solubility in water: Insoluble

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

Auto-ignition temperature: No data available

Ignition temperature: No data available

Decomposition temperature: No data available

Viscosity (dynamic): 2,500 – 4,00 cP

10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Product will not undergo hazardous polymerization if storage and use guidelines are followed.

Conditions to Avoid: Heat, Flames, Sparks, Elevated temperatures, Other ignition sources, Reactive metals

Incompatible Materials: Strong acids, Oxidizing agents

Hazardous decomposition products: Chlorine compounds, Nitrogen oxides, Carbon monoxide, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

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



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Symptoms Related to Physical, Chemical and Toxicological Characteristics: Nose, throat, and lung irritation, headache, nausea, dizziness, confusion, redness, swelling of the eyes

Delayed and Immediate Effects & Chronic Effects from Exposure: With repeated exposure, the substance may have effects on the central nervous system and respiratory system. This product may result in skin sensitization or allergic skin reactions.

Measures of Toxicity:

Acute toxicities are calculated based on component toxicities
Mixture: Acute Oral Toxicity: No sufficient data available
Acute Dermal Toxicity: No sufficient data available
Acute Inhalation Toxicity: LC₅₀ Rat: 10.0 mg/l

1,3-Bis(aminomethyl)benzene	CAS # 1477-55-0
Acute Oral Toxicity	LD ₅₀ Rat: 930 mg/kg
Acute Dermal Toxicity	LD ₅₀ Rabbit: 2,000 mg/kg
Acute Inhalation Toxicity	LC ₅₀ Rat: 1.16 mg/l

Carcinogen Claims:

OSHA: **None**
International Agency for Research on Cancer (IARC): **None**
ACGIH: **None**
National Toxicology Program (NTP) Report on Carcinogens: **None**

12. ECOLOGICAL INFORMATION

Eco-toxicity: This substance is toxic to aquatic organisms with long lasting effects. It is strongly advised that this substance does not enter the environment. Local authorities should be advised if significant spillages cannot be contained or if material discharges into drains or ground water.

1,3-Bis(aminomethyl)benzene	CAS # 1477-55-0
Toxicity to Fish	LC ₅₀ > 100 mg/l (Rainbow Trout; 96 h)
Toxicity to Daphnia	EC ₅₀ – 16 mg/l (Water flea; 48 h)
Toxicity to Algae	EC ₅₀ – 12 mg/l (Green Algae; 72 h)

Persistence & Degradability: No data available

Bio-accumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No data available



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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:

UN NUMBER: UN3082

PROPER SHIPPING NAME: Environmentally Hazardous Substance, Liquid, n.o.s.
(Diethylmethylbenzenediamine)

TRANSPORTATION HAZARD CLASS: 9

PACKING GROUP: III

HAZARD LABEL: 9

IMDG (Marine) SHIPPING CLASSIFICATION:

IMDG CODE: 9

UN NUMBER: UN3082

MARINE POLLUTANT: Yes

EmS: F-A; S-F

IMDG PACKING GROUP: III

HAZARD LABEL: 9

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethylmethylbenzenediamine)

IATA (Air) SHIPPING CLASSIFICATION:

ICAO/IATA-DGR: 9

UN NUMBER: UN3082

HAZARD LABEL: 9

Description of the goods

Environmentally Hazardous Substance, Liquid, n.o.s. (Diethylmethylbenzenediamine)

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



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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

None Listed

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: D2B (Based on components)

STATE REGULATIONS

California Proposition 65

This product does not contain chemicals known to the state of California to cause cancer, birth defects or reproductive harm.

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

California Hazardous Substances List
Delaware Air Quality Management List
Idaho Air Pollutants List
Illinois Toxic Air Contaminants List
Maine Hazardous Air Pollutants List
Massachusetts Hazardous Substances List
Michigan Critical Materials List
Minnesota Hazardous Substances List
New Jersey RTK Hazardous Substances List
New Jersey TCPA Extremely Hazardous Substances List
New York List of Hazardous Substances
North Carolina Toxic Air Contaminants List
Pennsylvania Hazardous Substances List
Washington Permissible Exposure Air Contaminants List
West Virginia Air Toxic Pollutants List
Wisconsin Hazardous Air Contaminants 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.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.

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