



Safety Data Sheet

REMA Tire Repair Materials

Product #: RLD-32

SDS #: RTT-TRM-001

Rev. # 5

Rev. Date: 08/22/2019

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Leak Detector

Chemical Family: Aqueous solution containing glycol & organic compounds

Product Use: Tire Leak Detection

Restrictions on Use: Use as directed by manufacturer

Manufacturer: Rema Tip Top/North America, Inc
1500 Industrial Blvd.
Madison, GA 30650
Phone: 706-752-4000

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

GHS Labeling

Pictograms:



Signal Word: Warning!

Hazard Statements

H320: Causes eye irritation
H335: May cause respiratory irritation



Safety Data Sheet

REMA Tire Repair Materials

Product #: RLD-32

SDS #: RTT-TRM-001

Rev. # 5

Rev. Date: 08/22/2019

Precautionary Statements

Prevention:

- P233: Keep container tightly closed.
- P261: Avoid breathing vapors.
- P264: Wash hands and exposed skin thoroughly after handling.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear eye protection / face protection.

Response:

- P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P337 + P313: If eye irritation persists: Get medical advice/attention.

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/national regulations.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization

Glycol & Aromatic compounds solution

Component*	CAS #	Weight %
Propylene Glycol	57-55-6	2 – 10
Sodium Dodecylbenzenesulfonate	68081-81-2	1 – 6
4,4-Dimethyloxazolidine	51200-87-4	< 1
Sodium Xylenesulfonate	1300-72-7	< 1

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 not breathing or if breathing is difficult, provide artificial respiration or oxygen. If irritation occurs, seek medical attention.



Safety Data Sheet

REMA Tire Repair Materials

Product #: RLD-32

SDS #: RTT-TRM-001

Rev. # 5

Rev. Date: 08/22/2019

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. 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.

5. FIRE FIGHTING MEASURES

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

Unsuitable Extinguishing Media: None identified

Hazardous Combustion Products: Hydrocarbons, 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: This product does not burn, however heating may release vapors which can be ignited.

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.



Safety Data Sheet

REMA Tire Repair Materials

Product #: RLD-32

SDS #: RTT-TRM-001

Rev. # 5

Rev. Date: 08/22/2019

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: Absorb material with inert materials. Shovel or gather material and place in appropriate container for disposal. Wash spill area thoroughly.

7. HANDLING AND STORAGE

Handling: Use only with adequate ventilation and personal protection. Avoid contact with eyes, skin and clothing. Wear proper personal protective equipment when handling this product. Do not eat, drink or smoke when using this product. Wash hands and face after handling this product and before eating, drinking, and smoking.

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

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits :

Exposure Limits have not been established for this product or any of its components.

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 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 face shield or chemical splash 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.



Safety Data Sheet

REMA Tire Repair Materials

Product #: RLD-32

SDS #: RTT-TRM-001

Rev. # 5

Rev. Date: 08/22/2019

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 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 or other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale liquid

Odor: Mild

Odor Threshold: No data available

pH: 7 – 8 (Calculated)

Melting Point: No data available

Freezing point: No data available

Initial boiling point: No data available

Boiling range: 212°F (100°C)

Flash point (Tag closed cup): Not applicable

Evaporation rate: No data available

Flammability: Lower Limit: Not applicable **Upper Limit:** Not applicable

Vapor pressure: < 0.1 psi

Vapor density: No data available

Relative density: 1.0 g/cm³ (8.3 lb/gal)

Solubility in water: Completely Soluble

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

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



Safety Data Sheet

REMA Tire Repair Materials

Product #: RLD-32

SDS #: RTT-TRM-001

Rev. # 5

Rev. Date: 08/22/2019

Hazardous decomposition products: Hydrocarbons, Carbon monoxide, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

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

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 may cause respiratory irritation.

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

Propylene Glycol

CAS # 57-55-6

Acute Oral Toxicity

LD₅₀ Rat: 20,000 mg/kg

Acute Dermal Toxicity

LD₅₀ Rat: 20,800 mg/kg

Acute Inhalation Toxicity

No Data Available

4,4-Dimethyloxazolidine

CAS # 51200-87-4

Acute Oral Toxicity

LD₅₀ Rat: 1,037 mg/kg

Acute Dermal Toxicity

LD₅₀ Rat: > 2,000 mg/kg

Acute Inhalation Toxicity

LC₅₀ Rate: 1.1 mg/l

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.

Propylene Glycol

CAS # 57-55-6

Toxicity to Fish

LC₅₀ – 52,930 mg/l (Fathead Minnow; 96 h)

Toxicity to Daphnia

EC₅₀ – > 10,000 mg/l (Daphnia; 48 h)



Safety Data Sheet

REMA Tire Repair Materials

Product #: RLD-32

SDS #: RTT-TRM-001

Rev. # 5

Rev. Date: 08/22/2019

4,4-Dimethyloxazolidine	CAS # 51200-87-4
Toxicity to Fish	LC ₅₀ – 95 mg/l (Rainbow Trout; 96 h)
	LC ₅₀ – 59 mg/l (Bluegill Sunfish; 96 h)
Toxicity to Daphnia	EC ₅₀ – 45 mg/l (Daphnia; 48 h)

Persistence & Degradability: No data available

Bio-accumulative Potential: No data available

Mobility in Soil: No data available

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.

15. REGULATORY INFORMATION

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

CANADIAN REGULATIONS

WHMIS 2015 Classification: Same as OSHA GHS Classification.

UNITED STATES REGULATIONS

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*



Safety Data Sheet

REMA Tire Repair Materials

Product #: RLD-32

SDS #: RTT-TRM-001

Rev. # 5

Rev. Date: 08/22/2019

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.

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.

California Hazardous Substances List/Permissible Exposure List
California Toxic air contaminants
Connecticut Permissible Exposure Limits
Delaware List of Chemicals and RQs
Hawaii Permissible Exposure Limits
Idaho Toxic Air Pollutants
Illinois Toxic Air Contaminants List
Louisiana Toxic Air Pollutants
Maine Hazardous Air Pollutants
Maryland Toxic Air Pollutants for Existing Sources
Massachusetts Hazardous Substances List
Michigan Permissible Exposure Limits
Minnesota Hazardous Substances
Minnesota Permissible Exposure Limits
Nebraska Hazardous Air Pollutants
New Jersey RTK Hazardous Substances List/TCPA Extremely Hazardous Substances List
New York List of Hazardous Substances
Ohio Toxic Air Contaminants
Oklahoma Toxic Air Contaminants
North Carolina TAP Emissions Rates Requiring a Permit
Pennsylvania Hazardous Substances List
Rhode Island Toxic Air Contaminants
Tennessee Permissible Exposure Limits
Vermont Hazardous Air Contaminants/Permissible Exposure Limits
Washington Permissible Exposure Limits for Airborne Contaminants.
West Virginia Toxic Air Pollutant List
Wisconsin hazardous Air Contaminants



Safety Data Sheet

REMA Tire Repair Materials

Product #: RLD-32

SDS #: RTT-TRM-001

Rev. # 5

Rev. Date: 08/22/2019

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.

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, INC
240 Pegasus Avenue, 2nd floor
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.