



# Safety Data Sheet

REMA Tire Repair Materials

Product #: RLD-32C

SDS #: RTT-TRM-012

Rev. # 2

Rev. Date: 2/22/2017

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Leak Detector Concentrate

**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

Acute Toxicity, Oral, Category 4

Acute Toxicity, Inhalation, Category 4

Skin Irritation, Category 2

Eye Damage, Category 1

Specific Target Organ Systemic Toxicity, Single Exposure, Category 3, Respiratory Tract Irritation

[Inhalation, Ingestion, Skin absorption]

Aspiration Hazard, Category 2

### GHS Labeling

#### Pictograms:



**Signal Word: Danger!**



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### Hazard Statements

H302: Harmful if swallowed  
H305: May be harmful if swallowed and enters airways  
H315: Causes skin irritation  
H318: Causes serious eye damage  
H332: Harmful if inhaled  
H335: May cause respiratory irritation

### Precautionary Statements

#### Prevention:

P233: Keep container tightly closed.  
P261: Avoid breathing vapors.  
P264: Wash hands and exposed skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear eye protection / face protection.

#### Response:

P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
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.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor/physician.  
P314: Get medical advice/attention if you feel unwell.  
P321: Specific treatment found in supplemental First Aid Section of this SDS (Section 4).  
P330: Rinse mouth.  
P332 + P311: If skin irritation occurs: Get medical advice/attention.  
P362: Take off contaminated clothing and wash 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/national regulations.



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### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### Chemical characterization

Aqueous solution containing glycol & organic compound

Component*	CAS #	Weight %
Propylene Glycol	57-55-6	21 – 31
Sodium Dodecylbenzenesulfonate	68081-81-2	12 – 22
4,4-Dimethyloxazolidine	51200-87-4	1 – 5
Sodium Xylenesulfonate	1300-72-7	< 1
Sodium Sulfate	7757-82-6	< 1

\*The above listed components are 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, 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.

#### 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:** Serious 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 immediate 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.



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### 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:** 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.

### 6. ACCIDENTAL RELEASE MEASURES

**Protective Equipment:** Wear chemical splash goggles, rubber gloves and clothing suitable to prevent skin contact. Use NIOSH approved chemical cartridge mask for exposure to vapor or mist. Discard gloves that show tears, pinholes, or signs of wear.

**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:** 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:** 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. 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



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### 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:** 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:** Wear rubber 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 avoid direct skin contact with the product.

**Respiratory Protection:** Use a NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter for overexposure to vapor or mist. 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:** No data available

**Flash point (Tag closed cup):** > 199°F (> 93°C)

**Evaporation rate:** No data available

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



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**Vapor pressure:** < 0.1 psi  
**Vapor density:** No data available  
**Relative density:** 1.03 g/cm<sup>3</sup> (8.59 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

**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 will cause serious eye damage if it comes in contact with eyes. 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**

Acute Oral Toxicity

Acute Dermal Toxicity

Acute Inhalation Toxicity

#### **CAS # 57-55-6**

LD<sub>50</sub> Rat: 20,000 mg/kg

LD<sub>50</sub> Rat: 20,800 mg/kg

No Data Available



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<b>4,4-Dimethyloxazolidine</b>	<b>CAS # 51200-87-4</b>
Acute Oral Toxicity	LD <sub>50</sub> Rat: 1,037 mg/kg
Acute Dermal Toxicity	LD <sub>50</sub> Rat: > 2,000 mg/kg
Acute Inhalation Toxicity	LC <sub>50</sub> Rate: 1.1 mg/l

### Carcinogen Claims:

OSHA: **No**, International Agency for Research on Cancer (IARC): **Category 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.

<b>Propylene Glycol</b>	<b>CAS # 57-55-6</b>
Toxicity to Fish	LC <sub>50</sub> – 52,930 mg/l (Fathead Minnow; 96 h)
Toxicity to Daphnia	EC <sub>50</sub> – > 10,000 mg/l (Daphnia; 48 h)

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



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### 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*

##### 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.

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

Vermont Hazardous Air Contaminants List

Washington Toxic Air Contaminants List





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**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, 2<sup>nd</sup> floor  
NORTHVALE, NJ 07647  
201-256-8200

**NOTICE:** PREMA PRODUCTS INC. 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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