



Safety Data Sheet

REMA Tire Repair Materials

Product #s: 81505, 81511, 81515, 81555

SDS #: RTT-TRM-205

Rev. # 6

Rev. Date: 3/25/2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Liquid Lube Blue, concentrate

Chemical Family: Acrylic solution

Product Use: Tire Mounting & Demounting

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. HAZARDS IDENTIFICATION

GHS Classification

Health Hazards

Skin Irritation, Category 3
Eye Irritation, Category 2B
Reproductive Toxicity, Category 2

Environmental Hazards

Acute Aquatic Toxicity, Category 3

GHS Labeling

Pictograms:



Signal Word: Warning!

Hazard Statements

H316: Causes light skin irritation



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H320: Causes eye irritation
H361: Suspected of damaging fertility or the unborn child
H402: Harmful to aquatic life

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/spray.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/eye protection/face protection.
P281: Use personal protective equipment as required.

Response:

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
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.
P321: Specific treatment found in supplemental First Aid Section of this SDS (Section 4).
P332 + P313: If skin irritation occurs: Get medical advice/attention.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.

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

Acrylic solution

Component*	CAS #	Weight %
Potassium Hydroxide	1310-58-3	< 1
Polyethylene Glycol Octylphenyl Ether	9036-19-5	< 1
Sodium Nitrite	7632-00-0	< 1
4,4-Dimethyloxazolidine	51200-87-4	< 1

*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, headache, irritation of the nose, throat and lungs

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, redness

Measures: Wash contaminated areas with plenty of water after use. Wash contaminated clothing before reuse. If skin irritation persists, seek medical attention.

Eye Contact

Symptoms & Effects: Eye irritation, stinging sensation, tearing, redness

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, dizziness, drowsiness

Measures: Seek medical attention. If awake and alert, rinse mouth and drink plenty 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, Carbon dioxide, Dry chemical

Unsuitable Extinguishing Media: None identified

Hazardous Combustion Products: 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 is noncombustible; however heating may release vapors which can be ignited. Material can splatter above 212°F (100°C). Dried product or residue can burn.

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.



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

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 with plenty of water.

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 store locked up. Keep away from food, drink, and animal foodstuffs.

Incompatible Materials: None identified

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits :

Exposure Limits have not been established for this product.

Potassium Hydroxide CAS # 1310-58-3

OSHA	Permissible Exposure Limit (PEL)	None Established
ACGIH	Ceiling Value (C)	2 mg/m ³
NIOSH	Ceiling Value (C)	2 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 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.



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Eye Protection: Recommended to wear 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.

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: Clear blue liquid

Odor: Mild

Odor Threshold: No data available

pH: 7.6 – 8.6

Melting/Freezing Point: 32°F (0°C)

Boiling point: 212°F (100°C)

Boiling range: No data available

Flash point (Tag closed cup): Not applicable

Evaporation rate: No data available

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

Vapor pressure: Not applicable

Relative vapor density: No data available

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.



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

Conditions to Avoid: Excessive heat, Repeated direct sunlight exposure

Incompatible Materials: None identified

Hazardous decomposition products: 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

Delayed and Immediate Effects & Chronic Effects from Exposure: This material may harm fertility or harm the unborn child due to preliminary tests performed on laboratory animals. Reproductive effects on humans are currently unknown.

Measures of Toxicity:

Acute toxicities are calculated based on component toxicities.

Mixture: Acute Oral Toxicity: LD₅₀ Rat: > 5,000 mg/kg

Acute Dermal Toxicity: LD₅₀ Rabbit: > 5,000 mg/kg

Acute Inhalation Toxicity: LC₅₀ Rat: > 20 mg/l

Potassium Hydroxide

CAS # 1310-58-3

Acute Oral Toxicity LD₅₀ Rat: 214 mg/kg

Acute Dermal Toxicity No data available

Acute Inhalation Toxicity No data available

Sodium Nitrite

CAS # 7632-00-0

Acute Oral Toxicity LD₅₀ Rat: 180 mg/kg

Acute Dermal Toxicity No data available

Acute Inhalation Toxicity LC₅₀ Rat: 5.5 mg/l

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 Rat: 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]



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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.

Potassium Hydroxide CAS # 1310-58-3
Toxicity to Fish LC₅₀ – 179 mg/l (Fathead Minnow; 96 h)
LC₅₀ – 80 mg/l (Mosquito Fish; 96 h)
Toxicity to Daphnia EC₅₀ – 60 mg/l (Daphnia; 48 h)

Polyethylene Glycol
Octylphenyl Ether CAS # 9036-19-5
Toxicity to Fish LC₅₀ – 4 mg/l (Fathead Minnow; 96 h)
Toxicity to Daphnia EC₅₀ – 45 mg/l (Daphnia; 48 h)

Sodium Nitrite CAS # 7632-00-0
Toxicity to Fish LC₅₀ – 0.09 mg/l (Rainbow Trout; 96 h)
LC₅₀ – 2.35 mg/l (Fathead Minnow; 96 h)
LC₅₀ – 130 mg/l (Zebra Fish; 96 h)
Toxicity to Daphnia EC₅₀ – 8.3 mg/l (Daphnia; 48 h)

4,4-Dimethyloxazolidine CAS # 51200-87-4
Toxicity to Fish LC₅₀ – 95 mg/l (Rainbow Trout; 96 h)
LC₅₀ – 59 mg/l (Bluegill Sunfish; 96 h)
Toxicity to Daphnia EC₅₀ – 45 mg/l (Daphnia; 48 h)

Persistence & Degradability: No data available; Substance is readily biodegradable.

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.



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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

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
Sodium Nitrite	7632-00-0	< 1	100

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, 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



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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.

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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