



Safety Data Sheet

REMA Tire Repair Materials

Product #: EHL-32

SDS #: RTT-TRM-206

Rev. # 4

Rev. Date: 4/28/2017

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Expandable Hub Lube

Chemical Family: Potassium Soap & Glycerin Solution

Product Use: Lubrication for Machine Hub Retreading

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
Skin Irritation, Category 3
Eye Irritation, Category 2B

GHS Labeling

Pictograms:



Signal Word: Warning!



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Hazard Statements

H302: Harmful if swallowed

H316: Causes mild skin irritation

H320: Causes eye irritation

Precautionary Statements

Prevention:

P260: Do not breathe vapors.

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.

Response:

P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314: Get medical advice/attention if you feel unwell.

P337 + P313: If eye irritation persists: Get medical advice / attention.

Disposal:

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

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization

Potassium Soap & Glycerin Solution

Component*	CAS #	Weight %
Potassium Soap	8046-74-0	5 – 15
Glycerin	56-81-5	5 – 15
Potassium Hydroxide, KOH	1310-58-3	< 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.

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.



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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: Dry chemical, Carbon dioxide, Water spray, Alcohol Foam

Unsuitable Extinguishing Media: None Identified

Hazardous Combustion Products: Carbon monoxide, Carbon dioxide, Hydrocarbons, Potassium hydroxide

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 non-flammable.

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



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7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke in product area.

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: None identified

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits :

Exposure Limits have not been established for this product.

Potassium Soap CAS # 8046-74-0

ACGIH 2 mg/m³

NIOSH 2 mg/m³

Glycerin mist CAS # 56-81-5

OSHA 15 mg/m^{3T}/5 mg/m^{3R}

ACGIH NA

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 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



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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: Amber Liquid

Odor: Mild odor

Odor Threshold: No data available

pH: 10.5

Melting/Freezing Point: < 32°F (< 0°C)

Boiling Point/Range: > 230°F (> 110°C)

Flash point (Tag closed cup): > 338°F (> 170°C)

Evaporation rate: No data available

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

Vapor pressure: No data available

Relative vapor density: No data available

Density: 1.02 g/cm³ (8.51 lb/gal)

Solubility in water: Completely soluble

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

Auto-ignition temperature: Not applicable

Ignition temperature: Not applicable

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: None identified



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Hazardous decomposition products: Hydrocarbons, Potassium hydroxide, 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: The liquid defats the skin after long-term or repeated exposure. This substance may result in kidney harm with repeated or prolonged exposure.

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: No sufficient 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 is not suspected of causing harm to aquatic organisms, however it remains strongly advised that this substance does not enter the environment.

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.



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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

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.

CANADIAN REGULATIONS

WHMIS Classification: Same as OSHA GHS Classification

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.



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The components of this product may be included on the various state hazardous materials lists noted below.
California Hazardous Substances List/Permissible Exposure List
California Toxic air contaminants
Connecticut Permissible Exposure Limits
Hawaii Permissible Exposure Limits
Massachusetts Hazardous Substances List
Michigan Permissible Exposure Limits
Minnesota Hazardous Substances
Minnesota Permissible Exposure Limits
New Jersey RTK Hazardous Substances List/TCPA Extremely Hazardous Substances List
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.

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

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.

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