



Material Safety Data Sheet

REMA TIP TOP EXPANDABLE HUB LUBRICANT

Product #'s: 101000068

MSDS #: RTT-TRM-206

Rev. # 1

Rev. Date: 11/09/2011

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Expandable Hub Lubricant
Product Use: Water-Based Lube for Retreading Machine Hubs
Manufacturer: REMA TIP TOP/NO. AMERICA, 119 Rockland Avenue, Northvale, NJ 07647
24-Hour Emergency Phone Number: North America: 800-424-9300 (CHEMTREC)
International: 703-527-3887 (CHEMTREC) Collect Calls Accepted

2. PRODUCT INGREDIENTS

<u>CHEMICAL NAME:</u>	<u>CAS NUMBER:</u>	<u>% RANGE:</u>	<u>OSHA PEL:</u>
Glycerin	56-81-5	7 -15	5 mg/m3 8 hours
Water	7732-18-5	70 - 85	Not Established
Proprietary	Not Available	10 - 15	Not Established

This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

This product is not regulated under the Canadian Controlled Products Regulations.

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

This product is an amber liquid. This product may be slightly irritating to the eyes and skin.

EYE: This product may cause slight irritation to the eyes. Excess amounts directly in the eyes may cause damage to the eye, lens, or cornea.

SKIN: This product may cause slight irritation to the skin.

INGESTION: Swallowing large amounts of this product may irritate the digestive system.

INHALATION: Not expected to be an inhalation hazard.

4. FIRST AID

EYES: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists seek medical attention.

SKIN: For skin contact flush with large amounts of water while removing contaminated clothing. Wash affected area with mild soap and water. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.

INGESTION: Do not induce vomiting, seek medical attention.



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INHALATION: If inhaled, immediately remove the affected person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.

NOTE TO PHYSICIAN: Provide general supportive measures and treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: >150°C (>302°F)

Upper Flammable Limit (UFL): Not Available

Auto Ignition: Not Available

Method Used: Not Available, contains water

Lower Flammable Limit (LFL): Not Available

Flammability Classification: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

EXTINGUISHING MEDIA: Water, water fog, alcohol foam, carbon dioxide, or dry chemical.

FIRE FIGHTING INSTRUCTIONS: This product poses a slight fire hazard. Contain fire run-off if possible.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES: Containment spilled material with absorbent and siphon of according to local, state, and federal regulations.

CLEAN-UP PROCEDURES: Shovel or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during cleanup.

EVACUATION PROCEDURES: None necessary.

SPECIAL PROCEDURES: Do not allow product to enter sewer or waterways.

7. HANDLING & STORAGE

HANDLING: Avoid contact with skin and eyes. Wash thoroughly after handling. DO NOT eat, drink or smoke in product area.

STORAGE: Keep the container tightly closed and in a dry, cool, and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.



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PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Wear safety glasses with side shields.

SKIN PROTECTION: Under normal conditions, skin contact should be minimal. If handling large amounts in open container(s), wear impervious gloves.

RESPIRATORY PROTECTION: Not normally required.

EXPOSURE GUIDELINE(s):

Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Component Exposure Limits - Canada

The provinces of Canada have not developed exposure limits for any of this product's components. Consult local authorities for acceptable exposure limits.

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Amber liquid

ODOR: Bland **ODOR THRESHOLD:** Not Available

BOILING POINT: >104°C (>220°F)

SOLUBILITY IN WATER: Complete solubility in water

SPECIFIC GRAVITY: 1.02

VAPOR PRESSURE: Not Available

% VOLATILE: > 75 (primarily water)

10. STABILITY & REACTIVITY

INCOMPATIBILITY WITH OTHER MATERIALS: Reactive alloys such as aluminum, brass, and bronze. Avoid contact with strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

DECOMPOSITION PRODUCTS: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.



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11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

This product may be slightly irritating to the eyes and skin. It may be harmful by ingestion.

CHRONIC TOXICITY

No additional information available.

CARCINOGENICITY

No carcinogenicity data available for this product.

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

12. ECOLOGICAL INFORMATION

Product is expected to biodegrade.

Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

UNUSED & UNCONTAMINATED PRODUCT:

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

14. TRANSPORT INFORMATION

US DOT Information

Shipping Name: This product is not regulated as a hazardous material for transport.

TDG Information

Shipping Name: This product is not regulated as dangerous goods for transport.

IMDG Information

Additional Info.: This product is not regulated as dangerous goods for transport.

IATA Information

Additional Info.: This product is not regulated as dangerous goods for transport.



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15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA 313 INFORMATION:

Component Analysis

None of this products components are listed under SARA Section 313 (40 CFR 372.65).

SARA HAZARD CATEGORY:

Acute Health: No **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA):

Component Analysis

None of this products components are listed under CERCLA (40 CFR 302.4).

TOXIC SUBSTANCES CONTROL ACT (TSCA): Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by the supplier.

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Water	7732-18-5	Yes	DSL	EINECS

STATE RIGHT-TO-KNOW:

Component Analysis - State

None of this product's components are listed on the state lists from CA, MA, MN, NJ, PA, or RI.

Other state regulations may apply. Check individual state requirements.

CANADIAN REGULATIONS

This product is not regulated under the Canadian Controlled Products Regulations.

WHMIS INFORMATION:

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

EUROPE:

Component Analysis

Component (CAS#)

Water (7732-18-5)

EC

231-791-2



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16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

NFPA Ratings: Health: 0 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

MEDICAL EMERGENCIES:

Call CHEMTREC 24 hours a
Day for emergency information
800-424-9300

FOR ANY OTHER INFORMATION:

REMA TIP TOP/NO. AMERICA
119 Rockland Ave.
NORTHVALE, NJ 07647
201-768-8100

NOTICE: REMA TIP/TOP USA believes that the information contained on this material 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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