



Material Safety Data Sheet

REMA TIP TOP

Product #'s: Rema GOO, Part B

MSDS #: RTT-IND-008

Rev. # 1

Rev. Date: 2/12/2008

Product Name: REMA GOO, Part B
Product Use: Conveyor Belt Repair Material
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

1. PRODUCT INGREDIENTS

<u>CHEMICAL NAME:</u>	<u>CAS NUMBER:</u>	<u>% RANGE:</u>	<u>OSHA PEL:</u>
Glycerol poly(oxyethylene) poly(oxypropylene) ether	9082-00-2	40-70	Not Established
Polypropylene glycol	25322-69-4	10-30	Not Established
1,4-Butanediol	110-63-4	1-5	Not Established
Neodecanoic acid, bismuth(3+) salt	34364-26-6	1-5	Not Established
Silane, dichlorodimethyl-, reaction products with Silica	68611-44-9	1-5	Not Established
Diethyltoluenediamine	68479-98-1	1-5	Not Established
m-Xylene-a, a'-diamine	1477-55-0	0.5-1.5	Not Established
Neodecanoic acid	26896-20-8	0.5-1.5	Not Established

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Bismuth (7440-69-9), Pesticides, n.o.s..

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication) and the Canadian Controlled Products Regulations.

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

This product is an amber, medium viscosity liquid. This product is irritating to the eyes, respiratory system and skin. This product may cause sensitization through skin contact. This product may be absorbed through the skin.

EYE: This product may cause irritation to the eyes.

SKIN: This product may cause irritation to the skin. Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis. Prolonged or repeated skin contact may cause an allergic skin sensitization reaction. This product may be harmful if it is absorbed through the skin.

INGESTION: This product may be harmful if it is swallowed.

INHALATION: This product may be harmful by inhalation.

3. FIRST AID

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention or advice.



Material Safety Data Sheet

REMA TIP TOP

Product #'s: Rema GOO, Part B

MSDS #: RTT-IND-008

Rev. # 1

Rev. Date: 2/12/2008

SKIN: Immediately take off all contaminated clothing. For skin contact, wash immediately with soap and water. If irritation persists, get medical attention. Launder clothing prior to reuse.

INGESTION: Do not induce vomiting. Call a physician immediately.

INHALATION: If inhaled, immediately remove the affected person to fresh air. Seek medical attention.

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

4. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: >275°F (>135°C)

Upper Flammable Limit (UFL): Not Available

Auto Ignition: Not Available

Method Used: Cleveland Open Cup

Lower Flammable Limit (LFL): Not Available

Flammability Classification: Class IIIB

HAZARDOUS COMBUSTION PRODUCTS: Decomposition of this product may yield hydrocarbon vapors and oxides of carbon and nitrogen plus undetermined aliphatic fragments.

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide. Water may be used as a blanket for fire extinguishment. If water is used, it should be used in very large quantities. Contain water run-off.

FIRE FIGHTING INSTRUCTIONS: This product is a slightly flammable liquid. Contain fire run-off if possible. Firewater run-off, if not contained may cause environmental damage.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

5. ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES: Stop the flow of material, if this is without risk. Contain the discharged material.

CLEAN-UP PROCEDURES: Absorb spill with inert material. Shovel material into appropriate container for disposal. Remove residue with detergent and water.

EVACUATION PROCEDURES: Persons not wearing appropriate protective equipment should be excluded from area of spill until clean up has been completed.

SPECIAL PROCEDURES: Follow all Local, State, Federal and Provincial regulations for disposal. Notify the proper authorities if entry to the environment occurs.

6. HANDLING & STORAGE

HANDLING: Do not get this material in your eyes, on your skin, or on your clothing. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. DO NOT eat, drink or smoke in product area.



Material Safety Data Sheet

REMA TIP TOP

Product #'s: Rema GOO, Part B

MSDS #: RTT-IND-008

Rev. # 1

Rev. Date: 2/12/2008

STORAGE: Store in a cool, dry, well-ventilated area. For maximum product stability maintain temperature range of 65-85°F (18-29°C).

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Wear chemical goggles.

SKIN PROTECTION: Use impervious gloves.

RESPIRATORY PROTECTION: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

EXPOSURE GUIDELINE(s):

Component Exposure Limits

REMA TIP/TOP USA recommends that its customers minimize employee exposure. REMA therefore suggests that its customers consider adopting the lower of the current OSHA PEL or the ACGIH TLV's for the purpose of evaluating employee exposures. The TLV's recommended by the ACGIH have been updated on a continuing basis.

m-Xylene- α , α' -diamine (1477-55-0)

ACGIH: 0.1 mg/m³ Ceiling
Skin - potential significant contribution to overall exposure by the cutaneous route
NIOSH: 0.1 mg/m³ Ceiling
Potential for dermal absorption

Component Exposure Limits - Canada

The following Provincial Exposure Limits apply for this product's components.

m-Xylene- α , α' -diamine (1477-55-0)

Alberta:	0.1 mg/m ³ Ceiling
British Columbia:	0.1 mg/m ³ Ceiling
Manitoba:	0.1 mg/m ³ Ceiling
New Brunswick:	0.1 mg/m ³ Ceiling
NW Territories:	0.1 mg/m ³ Ceiling
Nova Scotia:	0.1 mg/m ³ Ceiling
Nunavut:	0.1 mg/m ³ Ceiling
Ontario:	0.1 mg/m ³ CEV
Quebec:	0.1 mg/m ³ Ceiling
Saskatchewan:	0.1 mg/m ³ Ceiling
Yukon:	0.1 mg/m ³ Ceiling



Material Safety Data Sheet

REMA TIP TOP

Product #'s: Rema GOO, Part B

MSDS #: RTT-IND-008

Rev. # 1

Rev. Date: 2/12/2008

8. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Amber, medium viscosity

ODOR: Slight ammonia like

ODOR THRESHOLD: Not Available

BOILING POINT: >410°F (>210°C)

SOLUBILITY IN WATER: Not Available

SPECIFIC GRAVITY: 1.0-1.2

VAPOR PRESSURE: Not Available

% VOLATILE: <=10 g/l (Test Method: calculated per EPA method 24)

9. STABILITY & REACTIVITY

INCOMPATIBILITY WITH OTHER MATERIALS: Strong mineral acids, oxidizing agents and isocyanates.

HAZARDOUS POLYMERIZATION: Hazardous polymerization may occur with high temperatures. Highly exothermic reactions may occur when mixed in large quantities with incompatible materials.

DECOMPOSITION PRODUCTS: Decomposition of this product may yield hydrocarbon vapors and oxides of carbon and nitrogen plus undetermined aliphatic fragments.

10. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

This product is irritating to the eyes, respiratory system and skin. This product may cause sensitization through skin contact. This product may be absorbed through the skin.

CHRONIC TOXICITY

Prolonged or repeated liquid contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis.

CARCINOGENICITY

No information available for the product.

Component Carcinogenicity

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

11. ECOLOGICAL INFORMATION

No information available for the product.



Material Safety Data Sheet

REMA TIP TOP

Product #'s: Rema GOO, Part B

MSDS #: RTT-IND-008

Rev. # 1

Rev. Date: 2/12/2008

Component Analysis - Ecotoxicity - Aquatic Toxicity

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

12. DISPOSAL CONSIDERATIONS

DISPOSAL: Waste must be handled in accordance with all federal, state, provincial, and local regulations.

UNUSED & UNCONTAMINATED PRODUCT:

Component Waste Numbers

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

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

13. 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 a dangerous good for transport.

14. 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: Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactive:** Yes

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): All components are on the U.S. EPA TSCA Inventory List.

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Glycerol poly(oxyethylene) poly(oxypropylene) ether	9082-00-2	Yes	DSL	No
Polypropylene glycol	25322-69-4	Yes	DSL	No
Neodecanoic acid, bismuth(3+) salt	34364-26-6	Yes	DSL	EINECS
Diethyltoluenediamine	68479-98-1	Yes	DSL	EINECS
Silane, dichlorodimethyl-, reaction products with Silica	68611-44-9	Yes	DSL	EINECS



Material Safety Data Sheet

REMA TIP TOP

Product #'s: Rema GOO, Part B

MSDS #: RTT-IND-008

Rev. # 1

Rev. Date: 2/12/2008

1,4-Butanediol	110-63-4	Yes	DSL	EINECS
m-Xylene- α , α' -diamine	1477-55-0	Yes	DSL	EINECS
Neodecanoic acid	26896-20-8	Yes	DSL	EINECS

STATE RIGHT-TO-KNOW:

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Polypropylene glycol	25322-69-4	No	No	Yes	No	No	No
m-Xylene- α , α' -diamine	1477-55-0	Yes	Yes	Yes	Yes	Yes	Yes

CANADIAN REGULATIONS

This product is regulated under the Canadian Controlled Products Regulations.

WHMIS INFORMATION:

WHMIS Classification: D2B

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
m-Xylene- α , α' -diamine	1477-55-0	1 %

EUROPE:

Component Analysis

Component (CAS#)	EC #
Neodecanoic acid, bismuth(3+) salt (34364-26-6)	251-964-6
Diethyltoluenediamine (68479-98-1)	270-877-4
Silane, dichlorodimethyl-, reaction products with Silica (68611-44-9)	271-893-4
1,4-Butanediol (110-63-4)	203-786-5
m-Xylene- α , α' -diamine (1477-55-0)	216-032-5
Neodecanoic acid (26896-20-8)	248-093-9



Material Safety Data Sheet

REMA TIP TOP

Product #'s: Rema GOO, Part B

MSDS #: RTT-IND-008

Rev. # 1

Rev. Date: 2/12/2008

15. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

NFPA Ratings: Health: 2 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.

NO WARRANTY IS MADE, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.