



# Material Safety Data Sheet

REMA TIP TOP

Product #'s: 5250563

MSDS #: RTT-IND-032

Rev. # 1

Rev. Date: 2/19/2008

## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Tip Top Chemonit Repair Paste Comp. B

Product Use: Two component repair kit

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>
Isophorone diamine	2855-13-2	5-10	Not Established
Trimethylhexamethylenediamine	25620-58-0	5-10	Not Established
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	1-5	Not Established
Benzyl alcohol	100-51-6	1-5	Not Established

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

This product is regulated under the Canadian Controlled Products Regulations.

## 3. HAZARDS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS:

This product is a white paste. Contact with this material will cause burns to the skin, eyes and mucous membranes. Harmful if swallowed. This product may cause an allergic skin reaction. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**EYE:** This product is severely irritating to the eyes and can cause eye burns. Can cause eye damage.

**SKIN:** Contact with liquid may produce severe skin irritation including redness, inflammation and chemical burns. This product may cause an allergic skin reaction.

**INGESTION:** Harmful if swallowed. This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

**INHALATION:** Vapors of this product may cause severe irritation or burns of the nose, throat, and respiratory tract. Inhalation of vapors can cause CNS depression including headache, nausea, dizziness and incoordination.



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## 4. FIRST AID

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once. Continue to flush eyes while awaiting medical attention

**SKIN:** For skin contact flush with large amounts of water while removing contaminated clothing. Wash affected area with mild soap and water. Seek immediate medical attention. Wash contaminated clothing before reuse.

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

**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. Call a physician immediately.

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

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES:

**Flash Point:** >100°C (>212°F)

**Upper Flammable Limit (UFL):** Not Available

**Auto Ignition:** Not Available

**Method Used:** Not Available

**Lower Flammable Limit (LFL):** Not Available

**Flammability Classification:** Not Available

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide, sulfur oxides, ammonia and nitrogen oxides.

**EXTINGUISHING MEDIA:** Alcohol-resistant foam, dry chemical, carbon dioxide, water-spray, sand

**FIRE FIGHTING INSTRUCTIONS:** Product does not readily ignite, but can burn at elevated temperatures.

**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. Do not allow run-off from fire fighting to enter sewers or waterways.

## 6. ACCIDENTAL RELEASE MEASURES

**CONTAINMENT PROCEDURES:** Stop the flow of material, if this is without risk. Block any potential routes to water systems.

**CLEAN-UP PROCEDURES:** Ventilate the contaminated area. Absorb spill with inert material. Shovel material into appropriate container for disposal. Wear appropriate protective equipment and clothing during clean-up.

**EVACUATION PROCEDURES:** Isolate area. Keep unnecessary personnel away.

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



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## 7. HANDLING & STORAGE

**HANDLING:** Do not get this material in your eyes, on your skin, or on your clothing. Do not breathe vapors or mists of this product. Use this product with adequate ventilation. 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 away from sunlight. Do not over heat.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use product in well-ventilated area.

### PERSONAL PROTECTIVE EQUIPMENT

**EYE/FACE PROTECTION:** Wear chemical goggles; face shield (if splashing is possible).

**SKIN PROTECTION:** Use impervious gloves. Use of impervious apron and boots are recommended.

**RESPIRATORY PROTECTION:** If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH respiratory protection must be provided

### 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:** White paste

**ODOR:** Amine-like

**ODOR THRESHOLD:** Not Available

**BOILING POINT:** Not Available

**SOLUBILITY IN WATER:** Insoluble

**SPECIFIC GRAVITY:** 2.58 g/ml @ 20°C (67°F)

**VAPOR PRESSURE:** Not Available

**% VOLATILE:** 3-5%



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## 10. STABILITY & REACTIVITY

**INCOMPATIBILITY WITH OTHER MATERIALS:** Avoid strong acids, bases, amines and oxidizing agents.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, sulfur oxides, ammonia and nitrogen oxides.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Contact with this material will cause burns to the skin, eyes and mucous membranes. Harmful if swallowed. This product may cause an allergic skin reaction.

### 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

Components are harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Component Analysis - Ecotoxicity - Aquatic Toxicity

#### Trimethylhexamethylenediamine (25620-58-0)

Test & Species		Conditions
48 Hr LC50 Leuciscus idus	172 mg/L [static]	
72 Hr EC50 Scenedesmus subspicatus	29.5 mg/L	
17 Hr EC50 Pseudomonas putida	89 mg/L	
24 Hr EC50 Daphnia magna	31.5 mg/L	

#### Isophorone diamine (2855-13-2)

Test & Species		Conditions
96 Hr LC50 Leuciscus idus	110 mg/L [semi-static]	
72 Hr EC50 Scenedesmus subspicatus	37 mg/L	
24 Hr EC50 Daphnia magna	42 mg/L	



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**Benzyl alcohol (100-51-6)**

## Test & Species

96 Hr LC50 Pimephales promelas	460 mg/L [static]
96 Hr LC50 Lepomis macrochirus	10 mg/L [static]
3 Hr EC50 Anabaena variabilis	35 mg/L
5 min EC50 Photobacterium phosphoreum	63.7 mg/L
15 min EC50 Photobacterium phosphoreum	63.7 mg/L
30 min EC50 Photobacterium phosphoreum	71.4 mg/L
5 min EC50 Photobacterium phosphoreum	50 mg/L
48 Hr EC50 water flea	23 mg/L

## Conditions

## 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.

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

## 14. TRANSPORT INFORMATION

### US DOT Information

**Shipping Name:** Corrosive liquid, basic, organic, n.o.s. (Contains: Isophorone diamine, Trimethylhexamethylenediamine)

**UN/NA #:** UN3267 **Hazard Class:** 8 **Packing Group:** III

**Required Label(s):** CORROSIVE LIQUID

**Additional Info.:** PLACARD (WHEN REQUIRED): CORROSIVE LIQUID, 8

EXCEPTIONS: DOT Paragraphs 173.154, 713.203 & 173.241.

ALTERNATE SHIPPING ARRANGEMENTS: Based on package or shipping container size, this product may be shipped as a, "Limited Quantity".

### TDG Information

**Shipping Name:** Corrosive liquid, basic, organic, n.o.s. (Contains: Isophorone diamine, Trimethylhexamethylenediamine)

**UN/NA #:** UN3267 **Hazard Class:** 8 **Packing Group:** III

**Required Label(s):** CORROSIVE LIQUID

### IMDG Information

**Additional Info.:** F-A, S-B

### IATA Information

**Additional Info.:** 8



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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: Yes 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 exempt from listing (i.e. as polymers) or are listed on the confidential inventory as declared by the supplier.

##### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Trimethylhexamethylenediamine	25620-58-0	Yes	DSL	EINECS
Isophorone diamine	2855-13-2	Yes	DSL	EINECS
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	Yes	DSL	No
Benzyl alcohol	100-51-6	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
Trimethylhexamethylenediamine	25620-58-0	No	No	No	Yes	No	No
Isophorone diamine	2855-13-2	No	No	No	Yes	No	No
Benzyl alcohol	100-51-6	No	Yes	Yes	No	Yes	No

Other state regulations may apply. Check individual state requirements.

### CANADIAN REGULATIONS

This product is regulated under the Canadian Controlled Products Regulations.

#### WHMIS INFORMATION:

##### WHMIS Classification:

E - Corrosive

D2B- Sensitizing to the skin.



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## Component Analysis - WHMIS IDL

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

Component	CAS #	Minimum Concentration
Trimethylhexamethylenediamine	25620-58-0	1 %
Isophorone diamine	2855-13-2	1 %
Benzyl alcohol	100-51-6	1 %

## EUROPE:

### Component Analysis

Component (CAS#)	EC #
Trimethylhexamethylenediamine (25620-58-0)	247-134-8
Isophorone diamine (2855-13-2)	220-666-8
Benzyl alcohol (100-51-6)	202-859-9

## 16. OTHER INFORMATION

### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

NFPA Ratings: Health: 3 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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