



# Material Safety Data Sheet

REMA TIP TOP

Product #'s: 5252420

MSDS #: RTT-IND-035

Rev. # 2

Rev. Date: 1/15/2011

## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Tip Top Metal Primer PR 400

Product Use: Primer Coat

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>
Propylene glycol monomethyl ether acetate	108-65-6	70-80	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 grey liquid. Flammable liquid and vapor. Vapors may cause flash fire. It can cause eye, skin, respiratory and digestive system irritation.

**EYE:** This product may cause irritation to the eyes. Symptoms may include stinging, tearing, redness and swelling.

**SKIN:** This product is irritating to the skin.

**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**INHALATION:** This product may cause irritation to the respiratory system. Excessive inhalation of this product may cause headache, dizziness, blurred vision, nausea and vomiting.

## 4. FIRST AID

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. If irritation persists get medical attention.

**SKIN:** For skin contact flush with large amounts of water while removing contaminated clothing. If irritation persists, get medical attention. Wash contaminated clothing before reuse.

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



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**INHALATION:** Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Seek medical attention.

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

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES:

**Flash Point:** 46°C (114.8°F)

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

**Auto Ignition:** 400°C (752°F)

**Method Used:** Not Available

**Lower Flammable Limit (LFL):** 1%

**Flammability Classification:** Class IC Flammable Liquid

**HAZARDOUS COMBUSTION PRODUCTS:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or irritating, corrosive, flammable or toxic carbonization gases.

**EXTINGUISHING MEDIA:** Carbon dioxide, foam, dry chemical, water fog or fine spray.

**FIRE FIGHTING INSTRUCTIONS: DANGER, FLAMMABLE!** Clear fire area of unprotected personnel and isolate. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Empty containers may retain product residue including Flammable or Explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers. Combustion products may be hazardous.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

**CONTAINMENT PROCEDURES:** Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Handling equipment must be grounded to prevent sparking. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

**CLEAN-UP PROCEDURES:** Wear appropriate personal protective equipment. Eliminate ignition sources including sources of electrical, static or frictional sparks. Ventilate the contaminated area. Absorb spill with inert material. Shovel material into properly labeled closed metal containers for disposal. Use non-sparking tools. Place in non-leaking containers for immediate disposal. Flush area with water to remove trace residue. Do not allow the spilled product to enter public drainage system or open water courses.

**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.

## 7. HANDLING & STORAGE

**HANDLING:** Keep liquid and vapor away from heat, sparks and flames. Surfaces that are sufficiently hot may ignite liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition



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prior to use and until all vapors are gone. Vapors may accumulate and travel to ignition sources distant from the handling site; flash fire can result. Keep containers closed when not in use. Use with adequate ventilation.

Containers, even those that have been emptied, can contain explosive vapors. DO NOT cut, drill, grind, weld or perform similar operations on or near containers. DO NOT pressurize drum containers to empty them.

Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment.

Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Air-dry contaminated clothing in a well ventilated area before laundering.

**STORAGE:** Keep packaged in original, labeled containers until use. Store in a cool, dry, well-ventilated area. Store this product in air-tight containers away from sources of heat and light. Ground all equipment to prevent accumulation of static charge. Store away from incompatible materials. Do not remove or deface label. Do not reuse container without recycling or reconditioning in accordance with any Federal, Provincial, State or local laws. Do not use cutting or welding torches, open flames, or electric arcs on empty or full containers.

## 8. 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 safety glasses. Chemical goggles and/ or face shields should be worn, when splashing is a possibility. Contact lenses should not be exposed.

**SKIN PROTECTION:** Use impervious gloves. Use of impervious apron and boots are recommended. Wash contaminated clothing before reuse.

**RESPIRATORY PROTECTION:** If recommended exposure limits are exceeded, a NIOSH approved, continuous flow supplied air-respirator, hood or helmet is acceptable.

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

#### Propylene glycol monomethyl ether acetate (108-65-6)

British Columbia: 50 ppm TWA

75 ppm STEL

Ontario: 50 ppm TWAEV; 270 mg/m<sup>3</sup> TWAEV



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## 9. PHYSICAL & CHEMICAL PROPERTIES

**APPEARANCE:** Grey liquid

**ODOR:** Ester-like

**ODOR THRESHOLD:** Not Available

**BOILING POINT:** 145°C (293°F)

**SOLUBILITY IN WATER:** Insoluble @ 20°C (68°F)

**SPECIFIC GRAVITY:** 1.079 g/ml @ 20°C (68°F)

**VAPOR PRESSURE:** 3 hPa @ 20°C (68°F)

**% VOLATILE:** <80%

## 10. STABILITY & REACTIVITY

**INCOMPATIBILITY WITH OTHER MATERIALS:** Avoid contact with strong oxidizers.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**DECOMPOSITION PRODUCTS:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or irritating, corrosive, flammable or toxic carbonization gases.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Irritating to eyes, respiratory system and skin. Central nervous system depression with headache, nausea, lightheadedness, drowsiness, incoordination, and possibly unconsciousness may occur at very high concentrations of propylene glycol methyl ether.

### CHRONIC TOXICITY

Repeated excessive exposure may cause liver and kidney effects.

### CARCINOGENICITY

This product's component(s) are not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

### Component Carcinogenicity

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

## 12. ECOLOGICAL INFORMATION

No data available for this product.



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## Component Analysis - Ecotoxicity - Aquatic Toxicity

Propylene glycol monomethyl ether acetate (108-65-6)

### Test & Species

96 Hr LC50 Pimephales promelas 161 mg/L [static]  
48 Hr EC50 Daphnia magna >500 mg/L

### Conditions

## 13. 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.

If discarded, this product is considered a RCRA ignitable waste, D001.

## 14. TRANSPORT INFORMATION US DOT Information

**Shipping Name:** Paint related material

**UN/NA #:** UN1263 **Hazard Class:** 3 **Packing Group:** III

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

**Additional Info.:** PLACARD (WHEN REQUIRED): FLAMMABLE LIQUID, 3

**EXCEPTIONS:** DOT Paragraphs 173.150, 173.173, & 173.242.

**ALTERNATE SHIPPING ARRANGEMENTS:** Based on package or shipping container size, this product may be shipped as a, "Limited Quantity", and reclassified as, "ORM-D" Material.

### TDG Information

**Shipping Name:** Paint related material

**UN/NA #:** UN1263 **Hazard Class:** 3 **Packing Group:** III

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

### IMDG Information

**Additional Info.:**F-E, S-E

### IATA Information

**Additional Info.:** 3

## 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:** Yes **Pressure:** No **Reactive:** No



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**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
Propylene glycol monomethyl ether acetate	108-65-6	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 regulated under the Canadian Controlled Products Regulations.

**WHMIS INFORMATION:**

**WHMIS Classification:**

B2- Flammable Liquid

D2B- Irritating to eyes and skin

**Component Analysis - WHMIS IDL**

No components are listed in the WHMIS IDL.

**EUROPE:**

**Component Analysis**

**Component (CAS#)**

Propylene glycol monomethyl ether acetate (108-65-6)

**EC #**

203-603-9



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## 16. OTHER INFORMATION

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

NFPA Ratings: Health: 1 Fire: 2 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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