



# Material Safety Data Sheet

REMA TIP TOP

Product #'s: 52520970, 5252987, & 52529994

MSDS #: RTT-IND-047

Rev. # 1

Rev. Date: 4/6/2011

## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Tip Top Adhesive Primer HG-2

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>
Xylenes (o-, m-, p- isomers)	1330-20-7	5-10	100 ppm TWA; 435 mg/m <sup>3</sup> TWA
Ethyl benzene	100-41-4	1-5	100 ppm TWA; 435 mg/m <sup>3</sup> TWA
Chloroparffin	Not Available	5-10	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 black flammable liquid with an aromatic odor. Vapors may cause flash fire. Contact with this material can cause irritation to the skin, eyes, and respiratory and digestive tracts. Repeated exposure may cause skin dryness or cracking. Harmful by inhalation, in contact with skin, and if swallowed. A component of this product is an aspiration hazard. Symptoms of exposure may include central nervous system depression. Probable carcinogen.

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

**SKIN:** This product is irritating to the skin. Prolonged and/or repeated skin contact with this product may cause irritation, defatting of skin and dermatitis. May be absorbed through the skin.

**INGESTION:** Harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. May produce central nervous system depression. If aspirated (liquid enters the lung), the product may be rapidly absorbed through the lungs and can result in chemical pneumonitis and pulmonary edema/hemorrhage.

**INHALATION:** This product may be harmful by inhalation. May cause respiratory system irritation causing symptoms that may include dryness of the throat, tightness of the chest, and shortness of breath. May cause CNS depression characterized by the following: headache, nausea, dizziness, staggering gait, confusion, unconsciousness, or coma.

## 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. If irritation persists, seek medical attention. Wash contaminated clothing before reuse. Contaminated leather articles, including shoes, that cannot be decontaminated should be discarded.



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**INGESTION:** Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. 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:** 26°C (78.8°F)

**Upper Flammable Limit (UFL):** 7.8%

**Auto Ignition:** Not Available

**Method Used:** Not Available

**Lower Flammable Limit (LFL):** 1.0%

**Flammability Classification:** Class IC Flammable Liquid

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide, hydrogen chloride, and irritating, corrosive, toxic, or flammable gases.

**EXTINGUISHING MEDIA:** Water fog/fine spray, carbon dioxide, foam, and dry chemical.

**FIRE FIGHTING INSTRUCTIONS:** This product is a Class IC flammable liquid. 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.

**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 in 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 possible.

**CLEAN-UP PROCEDURES:** Use appropriate personal protective equipment. Eliminate sources of ignition. Ventilate the contaminated area. Absorb spill with inert material. Shovel material into appropriate container for disposal. Use spark-proof tools. Flush area with water to remove trace residue. Wear appropriate protective equipment and clothing during clean-up.

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

**SPECIAL PROCEDURES:** Do not allow product to enter sewer or waterways. Follow all Local, State, and Federal regulations for disposal.

## 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 all other sources of



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ignition prior to use and until vapors are gone. Vapors may accumulate and travel to ignition sources distant from handling site; flash fire can result. Keep containers closed when not in use. Do not breathe vapors or mists of this product. Use with adequate ventilation. Ground fixed equipment. Bond and ground transfer containers and equipment. Wash thoroughly after handling. DO NOT eat, drink or smoke in product area. Air dry contaminated clothing in a well ventilated area before laundering.

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.

**STORAGE:** Keep packaged in original, labeled containers until use. Keep the container tightly closed and in a dry, cool and well-ventilated place away from sunlight and incompatible materials. Keep away from heat, sparks and sources of ignition. Do not over heat. Store away from incompatible materials. Ground all equipment to prevent accumulation of static charge. Do not remove or deface label. Do not reuse container without recycling or reconditioning in accordance with any Federal, Provincial, State, or Local regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use product in well-ventilated area to maintain worker exposure below exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

**EYE/FACE PROTECTION:** Wear chemical goggles; face shield (if splashing is possible). Contact lenses should not be exposed. If vapor exposure causes eye discomfort, use a full-face respirator.

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

**RESPIRATORY PROTECTION:** If recommended exposure limits are exceeded, a NIOSH-approved, continuous flow supplied air respirator, hood, or helmet is acceptable. A NIOSH-approved self-contained positive pressure breathing apparatus, with full-face piece, is required for spills and/or emergencies.

### 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.

#### Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: 100 ppm TWA  
150 ppm STEL  
OSHA: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA

#### Ethyl benzene (100-41-4)

ACGIH: 100 ppm TWA  
125 ppm STEL  
OSHA: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA



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NIOSH: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
125 ppm STEL; 545 mg/m<sup>3</sup> STEL

## Component Exposure Limits - Canada

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

### Xylenes (o-, m-, p- isomers) (1330-20-7)

Alberta: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
150 ppm STEL; 651 mg/m<sup>3</sup> STEL

British Columbia: 100 ppm TWA  
150 ppm STEL

Manitoba: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
150 ppm STEL; 655 mg/m<sup>3</sup> STEL

New Brunswick: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
150 ppm STEL; 651 mg/m<sup>3</sup> STEL

NW Territories: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
150 ppm STEL; 652 mg/m<sup>3</sup> STEL

Nova Scotia: 100 ppm TWA  
150 ppm STEL

Nunavut: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
150 ppm STEL; 652 mg/m<sup>3</sup> STEL

Ontario: 100 ppm TWAEV; 435 mg/m<sup>3</sup> TWAEV  
150 ppm STEV; 650 mg/m<sup>3</sup> STEV

Quebec: 100 ppm TWAEV; 434 mg/m<sup>3</sup> TWAEV  
150 ppm STEV; 651 mg/m<sup>3</sup> STEV

Saskatchewan: 434 mg/m<sup>3</sup> TWA; 100 ppm TWA  
651 mg/m<sup>3</sup> STEL; 150 ppm STEL

Yukon: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
150 ppm STEL; 650 mg/m<sup>3</sup> STEL

### Ethyl benzene (100-41-4)

Alberta: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
125 ppm STEL; 543 mg/m<sup>3</sup> STEL

British Columbia: 100 ppm TWA  
125 ppm STEL

Manitoba: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
125 ppm STEL; 545 mg/m<sup>3</sup> STEL

New Brunswick: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
125 ppm STEL; 543 mg/m<sup>3</sup> STEL

NW Territories: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
125 ppm STEL; 542 mg/m<sup>3</sup> STEL

Nova Scotia: 100 ppm TWA  
125 ppm STEL

Nunavut: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
125 ppm STEL; 542 mg/m<sup>3</sup> STEL

Ontario: 100 ppm TWAEV; 435 mg/m<sup>3</sup> TWAEV  
125 ppm STEV; 540 mg/m<sup>3</sup> STEV

Quebec: 100 ppm TWAEV; 434 mg/m<sup>3</sup> TWAEV  
125 ppm STEV; 543 mg/m<sup>3</sup> STEV

Saskatchewan: 435 mg/m<sup>3</sup> TWA; 100 ppm TWA



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Yukon: 543 mg/m<sup>3</sup> STEL; 125 ppm STEL  
100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
125 ppm STEL; 545 mg/m<sup>3</sup> STEL

## 9. PHYSICAL & CHEMICAL PROPERTIES

**APPEARANCE:** Black liquid

**ODOR:** Aromatic

**ODOR THRESHOLD:** Not Available

**BOILING POINT:** 136°C (279.8°F)

**SOLUBILITY IN WATER:** Insoluble

**SPECIFIC GRAVITY:** 0.93 – 0.97 g/ml @ 20°C (68°F)

**VAPOR PRESSURE:** 9 mbar @ 20°C (68°F)

**% VOLATILE:** >40%

## 10. STABILITY & REACTIVITY

**INCOMPATIBILITY WITH OTHER MATERIALS:** Avoid strong acids, bases, and oxidizers

**HAZARDOUS POLYMERIZATION:** Will not occur.

**DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, hydrogen chloride, and irritating, corrosive, toxic, or flammable gasses.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

This product is harmful by inhalation, when in contact with skin, eyes, and if it is swallowed. Aspiration hazard. Lung damage may occur if aspirated into the lungs and may be fatal. Symptoms include coughing and difficulty breathing. May cause CNS effects with symptoms that include headache, drowsiness, dizziness, and loss of coordination. Inhalation of high vapor concentrations may cause symptoms of headache, dizziness, drowsiness, nausea, and vomiting..

### CHRONIC TOXICITY

Overexposure may cause damage to the liver and kidneys. Repeated or prolonged exposure may cause skin irritation and dermatitis.

### CARCINOGENICITY

Ethylene Benzene has demonstrated evidence of carcinogenicity in animals.

#### Component Carcinogenicity



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## Ethyl benzene (100-41-4)

ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans

IARC: Monograph 77, 2000 (Group 2B (possibly carcinogenic to humans))

## Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71, 1999; Monograph 47, 1989 (Group 3 (not classifiable))

## 12. ECOLOGICAL INFORMATION

No information available for this product. Contains components harmful to aquatic life.

### Component Analysis - Ecotoxicity - Aquatic Toxicity

#### Xylenes (o-, m-, p- isomers) (1330-20-7)

##### Test & Species

96 Hr LC50 Pimephales promelas	13.4 mg/L [flow-through]
96 Hr LC50 Oncorhynchus mykiss	8.05 mg/L [flow-through]
96 Hr LC50 Lepomis macrochirus	16.1 mg/L [flow-through]
96 Hr LC50 Pimephales promelas	26.7 mg/L [static]
24 hr EC50 Photobacterium phosphoreum	0.0084 mg/L
48 Hr EC50 water flea	3.82 mg/L
48 Hr LC50 Gammarus lacustris	0.6 mg/L

##### Conditions

#### Ethyl benzene (100-41-4)

##### Test & Species

96 Hr LC50 Oncorhynchus mykiss	14.0 mg/L [static]
96 Hr LC50 Pimephales promelas	9.09 mg/L [flow-through]
96 Hr LC50 Lepomis macrochirus	150.0 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	4.2 mg/L [static]
96 Hr LC50 Lepomis macrochirus	32 mg/L [static]
96 Hr LC50 Pimephales promelas	48.5 mg/L [static]
96 Hr LC50 Poecilia reticulata	9.6 mg/L [static]
72 Hr EC50 Selenastrum capricornutum	4.6 mg/L
96 Hr EC50 Selenastrum capricornutum	>438 mg/L
30 min EC50 Photobacterium phosphoreum	9.68 mg/L
24 Hr EC50 Nitrosomonas	96 mg/L
48 Hr EC50 Daphnia magna	1.8-2.4 mg/L

##### Conditions

## 13. DISPOSAL CONSIDERATIONS

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

**UNUSED & UNCONTAMINATED PRODUCT:**



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## Component Waste Numbers

Xylenes (o-, m-, p- isomers) (1330-20-7)

RCRA:

waste number U239 (Ignitable waste, Toxic waste)

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

## 14. TRANSPORT INFORMATION

### US DOT Information

Shipping Name: Paint

UN/NA #: UN1263 Hazard Class: 3 Packing Group: II

Required Label(s): FLAMMABLE LIQUID

Additional Info.: PLACARD (WHEN REQUIRED): FLAMMABLE, 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", OR, RENAMED, "Consumer Commodity" and reclassified as, "ORM-D".

### TDG Information

Shipping Name: Paint

UN/NA #: UN1263 Hazard Class: 3 Packing Group: II

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

This material contains one or more of the following chemicals required to be identified under SARA Section 313 (40 CFR 372.65).

Xylenes (o-, m-, p- isomers) (1330-20-7)

SARA 313:

1.0 % de minimis concentration

Ethyl benzene (100-41-4)

SARA 313:

0.1 % de minimis concentration

#### SARA HAZARD CATEGORY:

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



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## COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA):

### Component Analysis

This material contains one or more of the following chemicals required to be identified under CERCLA (40 CFR 302.4).

#### Xylenes (o-, m-, p- isomers) (1330-20-7)

CERCLA: 100 lb final RQ; 45.4 kg final RQ

#### Ethyl benzene (100-41-4)

CERCLA: 1000 lb final RQ; 454 kg final RQ

**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
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	DSL	EINECS
Ethyl benzene	100-41-4	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
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	Yes	Yes	Yes	Yes	Yes
Ethyl Benzene	100-41-4	Yes	Yes	Yes	Yes	Yes	Yes

Other state regulations may apply. Check individual state requirements.

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

## CANADIAN REGULATIONS

This product is regulated under the Canadian Controlled Products Regulations.

## WHMIS INFORMATION:

### WHMIS Classification:

B2- Flammable Liquid

D2A- Chronic toxic effects

D2B- Irritating to eyes and skin

### Component Analysis - WHMIS IDL

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

Component	CAS #	Minimum Concentration
Ethyl benzene	100-41-4	0.1 %



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## EUROPE:

### Component Analysis

#### Component (CAS#)

Xylenes (o-, m-, p- isomers) (1330-20-7)

Ethyl benzene (100-41-4)

#### EC #

215-535-7

202-849-4

## 16. OTHER INFORMATION

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

NFPA Ratings: Health: 2 Fire: 3 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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