



# Material Safety Data Sheet

Product No.525 20970; 525 2987; 525 2994

## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Tip Top Adhesive Primer HG 2  
 Product Use: Primer coat.  
 MSDS Preparation Date: 3/21/2006  
 Manufacturer: REMA TIP TOP/NO. AMERICA, 119 Rockland Avenue, Northvale, NJ 07647  
 24-Hour Emergency Phone Number: 800-424-9300 (CHEMTREC)

## 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          | 15-25           | 100 ppm TWA; 435 mg/m <sup>3</sup> TWA |
| Ethyl benzene                | 100-41-4           | 10-25           | 100 ppm TWA; 435 mg/m <sup>3</sup> TWA |
| Chloro paraffin              | 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:

The product is a black liquid with an aromatic odor. This product is a flammable liquid and vapor. Vapors may cause flash fire. It can cause eye, skin, respiratory and digestive system irritation. This product is harmful by inhalation, when in contact with the skin and if it is swallowed. Lung damage may occur if aspirated into the lungs and may be fatal. Probable cancer hazard.

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

**SKIN:** This product may cause irritation to the skin. Prolonged and/or repeated skin contact with this product may cause irritation, defatting or dermatitis.

**INGESTION:** 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. This product 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, dizziness, staggering gait, confusion, unconsciousness, or coma.

## 4. FIRST AID



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

**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, get medical attention. Wash contaminated clothing before reuse. Contaminated leather articles, including shoes, that cannot be decontaminated should be discarded.

**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. Seek medical attention.

**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%

**Flammability Classification:** Class IC Flammable Liquid

**HAZARDOUS COMBUSTION PRODUCTS:** Hazardous combustion products may include and are not limited to hydrogen chloride, carbon monoxide, and carbon dioxide and irritating, corrosive toxic or flammable carbonization gases.

**EXTINGUISHING MEDIA:** Dry chemical, foam, carbon dioxide, water fog.

**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.

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



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**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:** Very large quantities of these packages, if mishandled, may accumulate enough liquid or vapor to cause a flammable atmosphere. Vapors are heavier than air and may spread along the floor.

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 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. If vapor exposure causes eye discomfort, use a full-face respirator.

**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. A NIOSH approved self-contained positive pressure breathing apparatus, with full-face piece, is required for spills and/ or emergencies.

**EXPOSURE GUIDELINE(s):**



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## 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  
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



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## Ethyl benzene (100-41-4)

|                   |  |
|-------------------|--|
| Alberta:          | 100 ppm TWA; 434 mg/m <sup>3</sup> TWA<br>125 ppm STEL; 543 mg/m <sup>3</sup> STEL     |
| British Columbia: | 100 ppm TWA<br>125 ppm STEL  |
| Manitoba:         | 100 ppm TWA; 435 mg/m <sup>3</sup> TWA<br>125 ppm STEL; 545 mg/m <sup>3</sup> STEL     |
| New Brunswick:    | 100 ppm TWA; 434 mg/m <sup>3</sup> TWA<br>125 ppm STEL; 543 mg/m <sup>3</sup> STEL     |
| NW Territories:   | 100 ppm TWA; 434 mg/m <sup>3</sup> TWA<br>125 ppm STEL; 542 mg/m <sup>3</sup> STEL     |
| Nova Scotia:      | 100 ppm TWA<br>125 ppm STEL  |
| Nunavut:          | 100 ppm TWA; 434 mg/m <sup>3</sup> TWA<br>125 ppm STEL; 542 mg/m <sup>3</sup> STEL     |
| Ontario:          | 100 ppm TWAEV; 435 mg/m <sup>3</sup> TWAEV<br>125 ppm STEV; 540 mg/m <sup>3</sup> STEV |
| Quebec:           | 100 ppm TWAEV; 434 mg/m <sup>3</sup> TWAEV<br>125 ppm STEV; 543 mg/m <sup>3</sup> STEV |
| Saskatchewan:     | 435 mg/m <sup>3</sup> TWA; 100 ppm TWA<br>543 mg/m <sup>3</sup> STEL; 125 ppm STEL     |
| Yukon:            | 100 ppm TWA; 435 mg/m <sup>3</sup> TWA<br>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 - 0.97g/ml @ 20°C (68°F)

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

**% VOLATILE:** >40%

## 10. STABILITY & REACTIVITY

**INCOMPATIBILITY WITH OTHER MATERIALS:** Materials to avoid are strong oxidizing agents, strong acids and strong bases..

**HAZARDOUS POLYMERIZATION:** Will not occur.



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**DECOMPOSITION PRODUCTS:** Hazardous combustion products may include and are not limited to hydrogen chloride, carbon monoxide, and carbon dioxide and irritating, corrosive toxic or flammable carbonization gases.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

This product is harmful by inhalation, when in contact with the 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

This product contains component(s) that may be listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

#### Component Carcinogenicity

##### 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))

##### 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))

## 12. ECOLOGICAL INFORMATION

No information available for the product.

#### 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



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

### UNUSED & UNCONTAMINATED PRODUCT:

#### 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 (Ignitable Waste).

## 14. TRANSPORT INFORMATION

### US DOT Information

**Shipping Name:** Paint

**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", or reclassified as, "ORM-D" Material.

### TDG Information

**Shipping Name:** Flammable liquid, n.o.s. (Contains: Xylenes (o-, m-, p- isomers), [64742-95-6]), Mixture

**UN/NA #:** UN1993 **Hazard Class:** 3 **Packing Group:** III

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

### IMDG Information

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

### IATA Information

**Additional Info.:** 3



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## 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

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

#### 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.



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## WHMIS INFORMATION:

### WHMIS Classification:

B2- Flammable Liquid

D2A- Chronic effects

D2B- Irritating to skin and eyes

### 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 %                 |

## EUROPE:

### Component Analysis

| Component (CAS#)                         | EC #      |
|--|-----------|
| Xylenes (o-, m-, p- isomers) (1330-20-7) | 215-535-7 |
| Ethyl benzene (100-41-4)                 | 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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