



Safety Data Sheet

REMA TIP TOP

Product #: 5252420

SDS #: RTT-IND-035

Rev. # 4

Rev. Date: 3/19/2014

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Tip Top PR-400 Metal Primer

Chemical Family: Glycol Ether solution

Product Use: Primer coating

Restrictions on Use: Use as directed by manufacturer

Manufacturer: Rema Tip Top - North America
119 Rockland Ave.
Northvale, NJ 07647
Phone: 201 256-8200

24-Hour Emergency Phone Number: North America: 800-424-9300 (CHEMTREC)
International: 703-527-3887 (CHEMTREC) Collect Calls Accepted

2. HAZARD IDENTIFICATION

GHS Classifications

Health Hazards

Reproductive Toxicity, Category 1B
Specific Target Organ Systematic Toxicity, Repeated Exposure, Category 2, Liver, Kidney [Inhalation, Ingestion, Skin absorption]

Physical Hazards

Flammable Liquid, Category 3

GHS-Labeling

Pictograms:



Signal Word: Danger!

Hazard Statements

H226: Flammable liquid and vapour
H360: May damage fertility or the unborn child



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H373: May cause damage to organs prolonged or repeated exposure.

Precautionary Statements

Prevention:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P201: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- P233: Keep container tightly closed.
- P235: Keep cool.
- P240: Ground/bond container and receiving equipment.
- P241: Use explosion-proof electrical/ventilating/lighting/equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P260: Do not breathe vapours.
- P263: Avoid contact during pregnancy/while nursing.
- P264: Wash hands and exposed areas thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P281: Use personal protective equipment as required.

Response:

- P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P308 + P313: IF exposed or concerned: Get medical advice/attention.
- P370 + P378: In case of fire: Use dry chemical, foam, carbon dioxide, or water spray for extinction.
- P321: Specific treatment found in supplemental First Aid Section of this SDS (Section 4).

Storage:

- P403 + P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.

Disposal:

- P501: Dispose of contents/container in accordance with local, regional, and federal regulations

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization

Glycol Ether solution

Component*	CAS #	% By Wt.
2-Methoxy-1-Methylethyl Acetate (Propylene glycol monomethyl ether acetate)	108-65-6	70 – 85



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*The above listed components are OSHA hazardous materials which contribute to this products' GHS Hazard Categorization as prescribed in OSHA's Hazard Communication 29 CFR 1910.1200.

4. FIRST AID MEASURES

Inhalation

Symptoms & Effects: Nose, throat and respiratory tract irritation.

Measures: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing has stopped, begin artificial respiration. If breathing is difficult, administer oxygen. If symptoms persist, seek medical attention.

Skin Contact

Symptoms & Effects: Skin irritation, local redness, skin drying,

Measures: Wash skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes while washing. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact

Symptoms & Effects: Eye irritation, tearing, eye redness

Measures: Rinse eyes with water for at least 15 minutes. Remove contact lenses after the initial few minutes and if easy to do so and resume rinsing. Rinse beneath eyelids by holding eyelids apart with clean fingers while rinsing. If eye irritation persists, seek medical attention.

Ingestion

Symptoms & Effects: Mouth, throat and digestive tract irritation

Measures: Seek immediate medical attention. Do not induce vomiting unless instructed to do so by trained medical personnel. If the victim is drowsy or unconscious, do not give anything by mouth. Place individual on their left side and place their head down. Do not leave victim unattended.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, Carbon dioxide, Alcohol-resistant foam, Water spray

Unsuitable Extinguishing Media: Direct water stream (See Precautions)

Hazardous Combustion Products: Hydrocarbons, Carbon monoxide, Carbon dioxide

Protective Equipment for Fire-Fighters: Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Precautions for Fire-Fighters: Do not use direct water stream as this may spread fire. Use water spray to cool fire exposed containers and structures if this can be done with minimal risk. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Water fog, if applied



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gently, may be used as a blanket for fire extinguishment. Contain fire water run-off if possible, as it may cause environmental damage.

6. ACCIDENTAL RELEASE MEASURES

Protective Equipment: Recommended to wear chemical splash goggles & resistant gloves, such as polyvinyl alcohol-based gloves, and discard of gloves that show tears, pinholes, or signs of wear. Wear proper garments to prevent skin exposure, such as long-sleeves and pants.

Personal Precautions: Persons not wearing proper PPE should be excluded from the area of contamination until clean-up has been completed. Ensure adequate ventilation. Eliminate all ignition sources and pay attention to the spreading of gases, especially at ground level.

Environmental Precautions: Do not allow discharge into drains, surface waters, or sanitary sewer system. Prevent spreading over a wide area by constructing a dike. Local authorities should be advised if significant spillages cannot be contained or if material discharges into drains or ground water.

Methods & Materials for Clean-Up: Contained spilled material with inert, non-combustible absorbent materials (e.g. sand, earth, diatomaceous earth, polyethylene or polypropylene fibers, vermiculite, etc.). Remove residual material with soap and hot water. Use spark-proof tools and explosion-proof equipment for clean-up. Transfer to a suitable container for disposal according to proper federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling: Containers of this material may be hazardous when emptied. All hazard precautions given in this SDS must be observed at all times since emptied containers retain product residues (vapor, liquid, or solid). Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Avoid breathing vapors or mists of this product. Avoid eye and skin contact with this material. Skin and eye PPE should be worn at all times when handling this product. When adequate ventilation is not provided, respiratory PPE should also be used. Hands and other exposed areas should be washed thoroughly with soap and water after contact, especially before eating and/or smoking. Do not eat, drink or smoke when using this product.

Storage: Store in a cool, dry, ventilated area, away from heat and ignition sources. Keep container tightly closed and store locked up. Keep away from food, drink, and animal foodstuffs.

Incompatible Materials: None identified



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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits :

Exposure limits have not been established for this product.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below permissible exposure limits. Provide readily accessible eye wash stations and safety showers.

Occupational Exposure Controls: Ensure adequate ventilation, especially in confined areas. Consider all potential hazards of this material, applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting PPE. Ensure that eyewash stations and safety showers are proximal to the work location. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Protective and Hygiene measures: Do not inhale vapors. Wash hands before breaks and immediately after handling product. When using, do not eat, drink, or smoke. In case of clothes contamination, remove and wash contaminated clothing before re-use.

Eye Protection: Recommended to wear tight fitting, chemical splash goggles with side shields when there is potential for the exposure of the eyes to the liquid, vapor or mist. Have a suitable eye wash station or bottle nearby in case of splashing into the eyes.

Hand Protection: Recommended to wear suitable resistant gloves and discard of gloves that show tears, pinholes, or signs of wear. Suitable gloves will be based on product use and the period of use, and may include neoprene, butyl-rubber, nitrile rubber, etc.

Skin Protection: Recommended to wear impervious clothing, such as a fuller rubber suit and long-sleeved clothing, pants and proper foot covering in order to prevent direct skin contact with the product. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Respiratory Protection: A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Grey Liquid

Odor: Ester-like

Odor Threshold: No data available

pH: No data available



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Melting/Freezing point: < -125°F (< -87°C)
Boiling point/range: 293°F (145°C)
Flash point (Tag closed cup): 109°F (43°C)
Evaporation rate: No data available
Flammability: Lower Limit: 1.3% (V) **Upper Limit:** 13.1% (V)
Vapor pressure: 3 hPa @ 68°F (20°C)
Relative vapor density: No data available
Density: 1.08 g/cm³ (9.0 lbs/gal)
Solubility in water: Insoluble
Partition coefficient (n-octanol/water): 0.43
Auto-ignition temperature: 599°F (315°C)
Ignition temperature: No data available
Decomposition temperature: No data available
Viscosity (dynamic): No data available

10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Product will not undergo hazardous polymerization.

Conditions to Avoid: Excessive heat

Incompatible Materials: None identified

Hazardous decomposition products: Hydrocarbons, Carbon monoxide, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Primary Routes of Exposure: Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion

Symptoms Related to Physical, Chemical and Toxicological Characteristics: Nose, throat and respiratory tract irritation, skin irritation, local redness, skin drying, eye irritation, tearing, eye redness, mouth, throat and digestive tract irritation.

Delayed and Immediate Effects & Chronic Effects from Exposure: This product may harm fertility or the unborn child. With repeated exposure, this substance may affect the liver and kidneys. This substance is not a suspected carcinogen to humans as outlined by OSHA, IARC, ACGIH and the NTP (see below).



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Measures of Toxicity:

Acute toxicities are calculated based on component toxicities

Mixture: Acute Oral Toxicity: LD₅₀ Rat: 8,532 mg/kg

Acute Dermal Toxicity: LD₅₀ Rabbit: > 19,000 mg/kg

Acute Inhalation Toxicity: LC₅₀ Rat: > 4,345 ppmV

2-Methoxy-1-Methylethyl

Acetate

CAS # 108-65-6

Acute Oral Toxicity LD₅₀ Rat: 8,532 mg/kg

Acute Dermal Toxicity LD₅₀ Rabbit: > 19,000 mg/kg

Acute Inhalation Toxicity LC₅₀ Rat: > 4,345 ppmV

Carcinogen Claims:

OSHA: None

International Agency for Research on Cancer (IARC): None

ACGIH: No; A4 [Not Classifiable]

National Toxicology Program (NTP) Report on Carcinogens: None

12. ECOLOGICAL INFORMATION

Eco-toxicity: This substance is not expected of causing harm to aquatic life; however it remains strongly advised that this substance does not enter the environment. Local authorities should be advised if significant spillages cannot be contained or if material discharges into drains or ground water.

2-Methoxy-1-Methylethyl Acetate CAS # 108-65-6

Toxicity to Fish LC₅₀ – 100 mg/l (Salmo Gairdneri; 96 h)

Toxicity to Daphnia EC₅₀ – > 500 mg/l (Water flea; 48 h)

Persistence & Degradability: No data available

Bio-accumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No data available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State or Local regulations.

Contaminated packaging should be emptied as far as possible before disposal.

14. TRANSPORT INFORMATION

DOT SHIPPING CLASSIFICATION:

UN NUMBER: UN3271

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PROPER SHIPPING NAME: Ethers, n.o.s. (2-Methoxy-1-methylethyl acetate)
TRANSPORTATION HAZARD CLASS: 3
PACKING GROUP: III
HAZARD LABEL: 3

IMDG (Marine) SHIPPING CLASSIFICATION:

IMDG CODE: 3
UN NUMBER: UN3271
MARINE POLLUTANT: No
EmS: F-E; S-D
IMDG PACKING GROUP: III
HAZARD LABEL: 3

Description of the goods

ETHERS, N.O.S. (2-Methoxy-1-methylethyl acetate)

IATA (Air) SHIPPING CLASSIFICATION:

ICAO/IATA-DGR: 3
UN NUMBER: UN3271
HAZARD LABEL: Miscellaneous

Description of the goods

Ethers, n.o.s. (2-Methoxy-1-methylethyl acetate)

15. REGULATORY INFORMATION

All components of this product conform to the following national inventory requirements. US TSCA, EU EINECS and Canada DSL

SARA Title III

Section 302 – Extremely Hazardous Chemicals

The following ingredients are subject to the supplier notification requirements of Section 302 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 37

None Listed

Section 313 – Toxic Chemicals

The following ingredients are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 37

None Listed

OTHER FEDERAL REGULATIONS

Components of this product are subject to RCRA Hazardous Waste requirements.
Clean Air Act (CAA) Hazardous Air Pollutants requirements and OSHA Process Safety Management (PSM) high hazard requirements.



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CANADIAN REGULATIONS

WHMIS Classification: B3 (Based on components)

STATE REGULATIONS

California Proposition 65

This product does not contain chemicals known to the state of California to cause cancer, birth defects and/or reproductive harm.

The components of this product may be included on the various state hazardous materials lists noted below.

California Hazardous Substances List
Delaware Air Quality Management List
Idaho Air Pollutants List
Illinois Toxic Air Contaminants List
Maine Hazardous Air Pollutants List
Massachusetts Hazardous Substances List
Michigan Critical Materials List
Minnesota Hazardous Substances List
New Jersey RTK Hazardous Substances List
New Jersey TCPA Extremely Hazardous Substances List
New York List of Hazardous Substances
North Carolina Toxic Air Contaminants List
Pennsylvania Hazardous Substances List
Washington Permissible Exposure Air Contaminants List
West Virginia Air Toxic Pollutants List
Wisconsin Hazardous Air Contaminants List

Note: Entries under Section 15 are not intended to be all inclusive of Federal and State laws and regulations. Please consult the appropriate agencies for further clarification of any requirements.



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16. OTHER INFORMATION

This SDS conforms to the OSHA Hazard Communication Standard 1910.1200 published in the Federal Register March 26, 2012

MEDICAL EMERGENCIES:

Call CHEMTREC 24 hours a
Day for emergency information
800-424-9300

FOR ANY OTHER INFORMATION:

REMA TIP TOP - NORTH AMERICA
119 Rockland Ave.
NORTHVALE, NJ 07647
201-256-8200

NOTICE: REMA TIP TOP NORTH AMERICA believes that the information contained on this 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, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.

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