



Water Tight Technologies, LLC
 P.O. Box 899
 Payson, AZ 85547



SECTION 1 – PRODUCT IDENTIFICATION

Product Name: Tape Primer (TPR1/4; TPR1; TPR5)	24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC
Chemical Name/Synonyms: Hyrdocarbon	Manufacturer's Name: Water Tight Technologies, LLC
Chemical Family: Mixture	Manufacturer's Address: P.O Box 899 Payson, AZ 85547
Chemical Formula: Not Established	NFPA Acute Hazard Rating: Health 3, Flammability 3, Reactivity 0 HMIS Acute Hazard Rating: Health 4, Flammability 3, Reactivity 0

SECTION 2 – CHEMICAL COMPOSITION

Common Name	Case No.	% wt	Exposure Limits TLV-8 HR/TWA
Toluene	108-88-3	90.79%	100 PPM
Hexane	110-54-003	3.95%	50 PPM
Diphenylmethane Diisocyanate	026447-40-5	0.225%	N/A
Polymethylene Polyphenol Isocyanate	009016-87-9	0.225%	N/A
Non hazardous as per 29 CFR 1910.1200	N/A	Approx 5%	N/A

SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance/Odor: Clear syrup with mild solvent odor	Physical State: Liquid	Solubility in Water: Negligible, but water will release CO2
Boiling Range: 150° – 232° F	Specific Gravity : 0.865	VOC Content: 819.8g / Liter
Vapor Pressure: 140 mm Hg@ 20° C	Vapor Density (Air=1) 3.0	Density (in lbs): 7.22
Percent Volatiles: 95.5 %	Evaporation Rate (nBuAc=1): 8.1	

SECTION 4- FIRE & EXPLOSION HAZARD DATA

Flash Point: -25° F TCC	Flammable Limits (in air): LEL: 1; UEL: 8
Extinguishing Media: NFPA Class B extinguishers. Dry chemical, carbon dioxide or foam. Water spray may be used to keep fire exposed closed containers cool.	Fire Fighting Procedures: Extremely flammable. May form combustible or explosive mixtures with air. Closed containers may explode if exposed to extreme heat. Self contained breathing apparatus should be used.
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, acrid smoke and irritating fumes.	Special Fire & Explosion Hazards: Flammable liquid. Vapors are heavier than air and can flow along surfaces to ignition sources and flash-back. Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects prone to static electricity.



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SECTION- 5 HEALTH HAZARD DATA

Permissible Exposure Limit: OSHA PEL: 50 PPM	Signs and Symptoms of Exposure: Eye contact may cause severe eye irritation, redness, tearing and blurred vision. Skin contact may cause dermatitis and defatting of the skin. Prolonged contact with isocyanate can cause reddening, swelling, rash, scaling or blistering. Other symptoms are dizziness, nausea or vomiting. Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors. Inhalation may cause respiratory system irritation and central nervous system depression (Narcosis) fatigue. In severe cases dizziness, convulsions and unconsciousness, anorexia and nervousness may persist. Harmful or fatal if swallowed.
Effects of Overexposure: Medical Conditions Aggravated By Exposure. Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	Chemical Listed as a Carcinogen (or Potential Carcinogen): National Toxicology Program: NO L.A.R.C. Monographs: NO OSHA: NO
Acute: Irritation to eyes, lungs, and mucous membranes. Anorexia and nervousness may persist for several months following acute overexposure.	
Chronic: Excess exposure can cause Central Nervous System depression, headache, nausea, narcosis, and liver and kidney damage.	
Emergency & First Aid Procedures: Eye Contact: Hold eyes open and flush immediately with a gentle stream of water for at least 15 minutes. Call physician Skin Contact: Clean with hand cleaner, followed immediately by washing affected area with soap and water. Inhalation: Remove to fresh uncontaminated air. If breathing has stopped begin CPR and call a physician at once. Contains isocyanate which is a pulmonary sensitizer. Ingestion: Call a Physician at once. DO NOT INDUCE VOMITING Primary Route of Entry: Inhalation, skin. Note to Physician: Contains petroleum distillates. Contains isocyanate which may cause pulmonary sensitization in some individuals at levels lower than the PEL. Sensitized individuals should avoid exposure to any isocyanate.	

SECTION 6 – REACTIVITY DATA

Stability: This product is stable .	Incompatibility: Avoid strong oxidizing agents and all sources of ignition.
Hazardous Decomposition Products: None	Hazardous Polymerization: Will not occur.
Conditions to Avoid: Open flames, sparks, and closed areas that restrict adequate ventilation. Vapors are heavier than air and may travel a considerable distance to an ignition source and flashback.	



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SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Small spill:

Shut off and eliminate all ignition sources. Ventilate area and recover released product using inert materials such as sand, earth, or other suitable materials and non-sparking tools. Minimize skin contact. Ventilate confined spaces. Keep product clear of sewers, water, or extensive land areas. Assure conformity with applicable government regulations. Transfer into secure containers for proper disposal. Avoid static electricity build-up by grounding a fixed equipment and transfer containers. Use personal protective equipment as outlined below.

Large Spill:

Same as above. If spill is in excess of EPA reportable quantity enters the environment, call National Response Center immediately.

Waste Disposal Method:

This material is considered a hazardous waste for disposal purposes. See 40 CFR part 261.7 for further information concerning the disposition of empty containers. Hazardous wastes may not be landfilled!! Refer to 40 CFR part 261 subpart C for definitions of hazardous waste. Abide by all federal, state and local laws. Do not cut braze or weld containers.

SECTION 8 – SPECIAL PROTECTION

Respiratory Protection:

In areas with inadequate ventilation, the use of a NIOSH-Certified respiratory protection for organic vapor is recommended.

Eye Protection:

Splash goggles for liquid products recommended

Protective Gloves:

Solvent impervious gloves required.

Other Protective Equipment:

Under normal application conditions, protective glasses, gloves, and clothing are adequate.

Ventilation:

Provide adequate ventilation to maintain airborne concentrations below OSHA PELs. Local exhaust is preferable but mechanical exhaust is acceptable if Class I Group D approved devices.

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Keep material away from heat, spark and open flame. Do not store in open or unlabeled containers, use with adequate ventilation. Do not store above 120°F. Containers should be grounded when pouring. Avoid free fall of liquids.

Work/Hygienic Practices:

Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water after contact. Maintain good personal hygiene practices. Wash contaminated clothing before reuse. Do not eat, drink, or smoke in work areas. Wash exposed skin before eating, drinking, smoking, or applying cosmetics.

General:

Keep out of the reach of children. Isocyanate reacts with water to form carbon dioxide gas which may rupture sealed containers. For industrial use only. Read product label and observe all precautions before use.



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SECTION 10 - TRANSPORTATION

Regulatory Agency: U.S.A., DOT	Identification Number: UN1133
Proper Shipping Name: Adhesive	Labels Required: Flammable Liquid
Hazard Classification: 3	Other Requirements: If discarded in its purchased form, this product is a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal whether a material containing the product or residue of the product remains classified a hazardous waster as er 40 CFR 261, subpart C.
Packing Group: 11	

SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments: None
Date of Previous MSDS: NA – new formulation and product
Changes Since Previous MSDS:
Telephone Number for Additional Information: (574) 293-9096

DISCLAIMER

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information is accurate, complete, or representative. Water Tight Technologies, LLC assumes no responsibility for injury to the buyer, the buyer’s employees, or any third persons if reasonable safety procedures are not followed. Information is based upon supplier-issued material safety sheets and may be subject to error. Users must make determination regarding the suitability of the product for their own purposes prior to use.