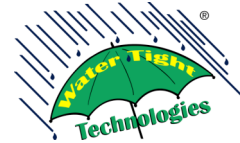




Water Tight Technologies, LLC
P.O. Box 899, Payson, AZ 85547



SECTION 1 – PRODUCT IDENTIFICATION

Product Name: TPO/ EPDM Solvent Based Bonding Adhesive	Manufacturer's Name: Water Tight Technologies, LLC
Item Number(s): TBAS1; TBAS5	Manufacturer's Address: P.O. Box 899, Payson, AZ 85547
24 Hour Emergency Telephone Number: CHEMTREC – United States 800-424-9300 ; International 202-483-7616 (collect)	NFPA Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0 HMIS Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0
Chemical Name/Synonyms: N/A	Chemical Family: Mixture

SECTION 2 – CHEMICAL COMPOSITION

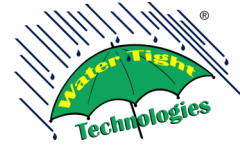
Ingredient Components (chemical names) Common Names Hazardous components 1% or greater Carcinogens 0.1% or greater	%	Case No.	OSHA PEL-TWA	ACGIH TLV-TWA
Naphtha (petroleum), solvent-refined light (textile spirits)	33.0	64741-84-0	N/A	N/A
Toluene	26.0	108-88-3	200 ppm	20 ppm
Acetone	19.0	67-64-1	1000 ppm	500 ppm
Textile Spirits (primarily N-Hexane)		110-54-3	N/A	N/A

SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance/Odor: Yellow liquid, with a solvent odor.	Physical State: Liquid	Solubility in Water: Not miscible or difficult to mix
Boiling Point: 208° F-(98° C)	Specific Gravity (H ₂ O=1) 0.825	Melting Point: N/A
Vapor Pressure: @ 20° C (68° F): 175 mm Hg	Vapor Density (Air=1) Heavier than air	Freezing Point: Not Established
Volatiles: (% Wt or % Vol) 78.0%	Ignition Temperature: 240° C (464° F)	Reactivity in Water: N/A
Additional Information: VOC = 4.05 lbs/gal		



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SECTION 4- FIRE & EXPLOSION HAZARD DATA

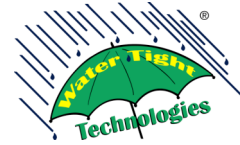
Flash Point: - 18° C, - 0° F	Flammable Limits (in air): LEL: 1.2%; UEL: 13.0%
Extinguishing Media: CO2, sand, extinguishing powder. Do not use water. For safety reasons water and water with full jet is unsuitable extinguishing agents.	Fire Fighting Procedures: Use water spray to cool adjacent surfaces and fire exposed containers. Protect against inhalation of combustion products. Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. Toxic fumes and vapors may be involved.
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Sulfur Dioxide, and Hydrogen Chloride, (thermal degradation products).	Special Fire & Explosion Hazards: <u>This product is non-explosive, however formation of explosive air/vapor mixtures are possible.</u> Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects prone to static electricity.
Method Used: N/A	Auto-Ignition Temperature: This product is not self-igniting.

SECTION- 5 HEALTH HAZARD DATA

Permissible Exposure Limit: Not Established	Signs and Symptoms of Exposure: Dizziness, nausea or vomiting. Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors.
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: None I.A.R.C. Monographs: Toluene (108-88-3) OSHA: None
Acute: Irritation to eyes, lungs, and mucous membranes	
Chronic: Excess exposure can cause CNS depression, headache, nausea, narcosis, and liver and kidney damage.	
Emergency & First Aid Procedures: Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident should occur.	
Eye Contact: Flush with water and call physician	
Skin Contact: Clean with rubbing alcohol, followed by soap and water. Remove contaminated clothing. Wash clothing before reuse.	
Inhalation: Remove to fresh air. Administer oxygen or artificial respiration, if necessary. Call physician.	
Ingestion: Seek medical treatment. May cause lung damage if swallowed.	
Primary Route of Entry: Inhalation.	



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SECTION 6 – REACTIVITY DATA

Stability: Stable at ambient temperatures and pressures	Incompatibility: Strong oxidizers, acids and bases.
Hazardous Decomposition Products: Toxic gases or vapors, such as oxides of carbon, nitrogen and hydrocarbons along hydrogen chloride may be released during a fire.	Hazardous Polymerization: N/A
Conditions to Avoid: Open flames and sparks. Closed areas that restrict adequate ventilation. Toxic to fish. Do not contaminate ground water, water course, or sewage systems. Toxic to aquatic life.	

SECTION 7 - SPILL OR LEAK PROCEDURES

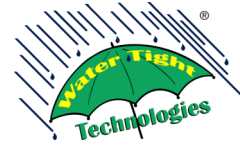
Steps to be taken in case material is released or spilled: Small spill: Absorb using inert material. Use non-sparking tools. Transfer into secure containers for proper disposal. Use personal protective equipment as outlined below. Inform respective authorities in case of seepage into water course or sewage system. Do not flush with water or aqueous cleansing agents. Hazardous to water sources. Water Hazard class 2.
Large Spill: Same as small spill.
Waste Disposal Method: Dispose of as a hazardous waste in accordance with EPA/RCRA regulations 40CFR261 21(a) (1) Ignitability: D001

SECTION 8 – SPECIAL PROTECTION

Respiratory Protection: Use NIOSH-Certified respiratory protection for organic vapor if necessary.	Eye Protection: Impervious glasses recommended
Protective Gloves: Impervious gloves are recommended to prevent skin contact.	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.	



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SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Store and use away from all sources of direct heat and ignition. Protect against electrostatic charge. Keep containers closed when not in use.

Other Precautions:

Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water after contact.

Work/Hygienic Practices:

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.

SECTION 10 - TRANSPORTATION

Regulatory Agency:

U.S.A., DOT, IMO

Identification Number:

UN 1133

Proper Shipping Name:

Adhesives

Labels Required:

Flammable Liquid

Hazard Classification:

3

Other Requirements:

49 CFR 172.101 Adhesives, UN1133, IMDG Class 3.2, Pg. 3174, Flash Point -18° C (-0° F)

Packing Group:

III

SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments:

This product contains a chemical (Naphtha -CAS #64741-814-0) known to the State of California to cause cancer. This product contains chemicals (toluene – CAS# 108-88-3; Naphtha – CAS# 64741-84-0) known to the state of California to cause birth defects or other reproductive harm

Date of Previous MSDS:

N/A

Changes Since Previous MSDS:

N/A

Telephone Number for Additional Information:

(888) 269-2122

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.