

SECTION 1 - IDENTIFICATION

Trade Name: Solvent Based Bonding Adhesive
Product Item #: BAS1 (1 gallon pail) and BAS5 (5 gallon pail)
Relevant Uses: Adhesive / Contact Cement / Glue
Details of Supplier of SDS:
Water Tight Technologies, LLC
P.O. Box 899, Payson, AZ 85547
888-649-1020

Emergency Telephone Number: CHEMTREC – US: 800-424-9300; International: 703-527-3887

SECTION 2 – HAZARDS IDENTIFICATION

NFPA Rating (0=Least Severe and 4= Most Severe): Health = 2; Fire = 3; Reactivity = 0

Label Elements:



GHS02



GHS08



GHS07

Hazard Pictograms -

Signal Work – DANGER

Hazard Statements:

- Highly flammable liquid and vapor.
- Causes skin irritation.
- Causes serious eye irritation.
- Suspected of damaging fertility or the unborn child.
- May cause drowsiness or dizziness.
- May cause damage to organs through prolonged or repeated exposure.
- May be fatal if swallowed and enters airways.

Precautionary Statements:

- If medical advice is needed, have product container or label at hand.
- Keep out of the reach of children.
- Read label before use.
- Keep away from heat/sparks/open flames/hot surfaces. No Smoking.

- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
- IF ON SKIN/HAIR: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and continue rinsing.
- Store locked-up.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

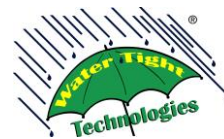
SECTION 3 – COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Chemical characterization: Mixtures

Description: Mixture of the substances listed below plus non-hazardous additions.

Dangerous components:

CAS#	Name/Description	% of Mixture
108-88-3	Toluene	30-40%
64741-84-0	Naphtha (petroleum), solvent-refined light (textile spirits)	25-30%
67-64-1	Acetone	10-20%



SECTION 4 – FIRST-AID MEASURES

General Information: Symptoms of poisoning may occur after several hours; therefore medical observation for at least 48 hours after the accident.

After Inhalation: Overexposure, remove to fresh air and seek medical attention.
Supply fresh air. If required, provide artificial respiration.

After Skin Contact: Clean with rubbing alcohol, followed immediately by washing affected area with soap and water. Remove contaminated clothing. Wash clothing before reuse.

After Eye Contact: Rinse opened eye for several minutes under running water. Remove contact lenses, if present. Then consult a doctor.

After Swallowing: Seek medical treatment. Do NOT induce vomiting.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media:

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.
For safety reasons unsuitable extinguishing agents: Water and water with full jet.

Advice for Firefighters:

Protective equipment: Mouth respiratory protective device. Protective clothing and respiratory protective device.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective equipment during emergency procedures. Keep unprotected persons away.

Environmental Precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Prevent seepage into sewage system, workpits and cellars.

Do not allow product to reach sewage system or any water course.

Do not allow to enter sewers/surface or ground water.

Methods and Materials for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste in accordance with federal, state and local regulations.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents.

Refer to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection.

See Section 13 for disposal information.

SECTION 7 – HANDLING AND STORAGE

**Handling:**

Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.

Information about protection against explosion and fires:

Keep ignition sources away. No not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

Storage:

Store in a cool location away from direct heat. Store as flammable liquid.
Keep receptacle tightly sealed.
Store in cool, dry conditions in well-sealed receptacles.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION
Components with limit values that require monitoring at the workplace:

108-88-3 toluene (25-50%)	
PEL	Long-term value: 200 PPM Ceiling limit value: 300; 500* ppm * (10 min peak per 8-hr shift)
REL	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV	Long-term value: 75 mg/m ³ , 20 ppm
110-54-3 n-hexane (25-50%)	
PEL	Long-term value: 1800 mg/m ³ , 500 ppm
REL	Long-term value: 180 mg/m ³ , 50 ppm
TLV	Long-term value: 176 mg/m ³ , 20 ppm

67-64-1 acetone (5-20%)	
PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: (1782) NIC-1187 mg/m ³ , (750) NIC – 500 ppm Long-term value: (1181) NIC-475 mg/m ³ , (500) NIC -200 ppm

Ingredients with biological limit values:

108-88-3 toluene (25-50%)	
BEI	0.02 mg/L Medium: blood ; Time: prior to last shift of workweek; Parameter: Toluene 0.03 mg/L Medium: urine; Time: end of shift; Parameter: Toluene 0.3 mg/g creatinine Medium: urine; Time: end of shift; Parameter: O-Cresol with hydrolysis (background)
110-54-3 n-hexane (25-50%)	
BEI	0.4 mg/L Medium: urine; Time: end of shift at end of workweek; Parameter: 2.5-Hexanedione without hydrolysis
67-64-1 acetone (5-20%)	



BEI	50 mg/L Medium: urine; Time: end of shift; Parameter: Acetone (nonspecific)
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Additional information: The lists that were valid during the creation were used as basis.

General protective and hygienic measures:

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.
- Store protective clothing separately.

Breathing equipment:

Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

Protection of hands:

The glove material has to be impermeable to the product/the substance/the preparation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is preparation of several substances, the resistance of the glove material; cannot be calculated in advance and therefore has to be check prior to the application.

Eye protection:

Safety glasses with side shields or tightly sealed goggles.

Body protection:

Protective work clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Liquid
Color:	Yellow
Odor:	Characteristic

Change in condition:

Melting Point:	Undetermined
Boiling Point:	98°C (208° F)

Flash Point:

-18°C (-0°F)

Ignition Temperature:

240.0°C (464° F)

Auto igniting:

Product is not self-igniting

Danger of explosion:

Product is not explosive.
However, formation of explosive air/vapor mixture are possible.

Flammable Limits:

Lower:	1.2 Vol. %
Upper:	13.0 Vol. %

Vapor Pressure at 20°V (68°F):

233.0 hPa (175 mm Hg)

Specific Gravity:

0.84

Solubility in/Miscibility with Water:

Not miscible or difficult to mix.

Solvent content – Organic solvents:

79%

Solids content:

21%



Other information:	This product does not comply with the requirements of Rule 1168 of California's South Coast Air quality Management District.
VOC:	634 g/L or 5.3 lbs/gal/
SCAQMD:	634 g/L
Weight per gallon:	7.0 lbs.

SECTION 10 – STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: Strong oxidizers, acids and bases.

Hazardous decomposition products: Oxides of carbon, nitrogen and hydrocarbons, hydrogen chloride (thermal degradation products).

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC50 values that are relevant for classification:

108-88-3 toluene:

Oral LD50 – 5000 mg/kg (rat)

Dermal LD50 – 12124 mg/kg (rabbit)

Inhalative LC50/4 h- 5320 mg/l (mouse)

Primary irritant effect:

On skin: Irritant to skin and mucous membranes.

On the eye: Irritating effects.

Sensitization: Sensitizing effect through inhalation is possible with prolonged exposure.

Additional toxicological information:

This product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

Carcinogenic

Carcinogenic categories:

IARC (International Agency for Research on Cancer) – 108-88-3 toluene ; 3

NTP (National Toxicology Program) – none of the ingredients are listed.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicological effects:

Toxic for fish.

General Notes:

Do not allow product to reach ground water; water course or sewage system.

Danger to drinking water if even small quantities lead into the ground.

Toxic for aquatic organisms

Water hazard class 3 (self-assessed) : extremely hazardous for water.

Other adverse effects:

No further relevant information available.



SECTION 13 – DISPOSAL CONSIDERATIONS


Waste treatment methods:

Recommendation – Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: disposal must be made according to official regulations.

SECTION 14 – TRANSPORTATION INFORMATION

UN-Number – DOT:	UN1133
UN proper shipping name – DOT:	Adhesives, containing a flammable liquid
Transport hazard class(es) – DOT:	3 Flammable liquids 
Packing group – DOT:	II
Environmental hazards – Special marking (ADR) – Symbol (fish and tree)	
Special precautions for user:	Not applicable
UN “Model Regulation”:	UN1133, Adhesives, ENVIRONMENTALLY HAZARDOUS, 3, II

SECTION 15 – REGULATORY INFORMATION

SARA Title III:

Section 355(extremely hazardous substances): No ingredients listed
Section 313(specific toxic chemical listing): 64741-84-0 Naphtha (petroleum), solvent-refined light (textile spirits)
108-88-3 toluene

TSCA (Toxic Substances Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Prop 65:

Chemicals known to cause cancer: 64741-84-0 Naphtha (petroleum), solvent-refined light (textile spirits)
Chemicals known to cause reproductive toxicity: 108-88-3 toluene
Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

Carcinogeny categories:

EPA:	108-88-3 toluene - D 67-64-1 acetone -D
TLV	108-88-3 toluene – A4 67-64-1 acetone - A4
NIOSH-Ca:	None of the ingredients are listed.
OSHA-Ca:	None of the ingredients are listed.

National regulations:

Water hazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.



Water Tight Technologies, LLC
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Payson, AZ 85547



SECTION 16 – OTHER INFORMATION

The information herein is presented in good faith and believed to be correct as of the date hereof. Information is based upon supplier-issued safety data sheets and may be subject to error. If apprised of changes, updated SDS will be promptly issued. Users must make their determination regarding the suitability of the product for their own purposes prior to use. In no event will Water Tight Technologies, LLC be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

Approval Date: 5-15-2015
Supersedes Date: December 2007
Reason for revision: Change to SDS required format