Water Tight Technologies, LLC
2500 Dewitt Street
Elkhart, IN 46517

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
2500 Dewitt Street, Elkhart, IN 46517
888-649-1020

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

SECTION 2 – HAZARDS IDENTIFICATION

Material Overview

Appearance	liquid
Color	yellow
Odor	characteristic

GHS label elements:

Hazard Pictograms :


GHS02


GHS08


GHS07

Signal Work – DANGER

GHS Classification

Flammable liquids	:	Category 1
Skin irritation	:	Category 2
Eye irritation	:	Category 2A
Skin sensitization	:	Category 1
Germ cell mutagenicity	:	Category 1B
Carcinogenicity	:	Category 1B
Reproductive toxicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure	:	Category 2
Aspiration hazard	:	Category 1

Hazard Statements:
H224 Extremely flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause dizziness or drowsiness. Suspected of damaging fertility or the unborn child.
H340 May cause genetic defects.
H350 May cause cancer. damage to organs through prolonged or repeated exposure.
H361 Suspected of damaging fertility. Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:
P201 Obtain instructions before use. Read product label. **P202** Do not handle until all safety precautions have been read. **P210** Keep away from heat/sparks/open flames/hot surfaces. Do not smoke. **P233** Keep container tightly closed. **P240** Ground 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 breath mist or vapors.

P264 Wash skin thoroughly after handling. **P271** Use only outdoors or in a well-ventilated area. **P272** Contaminated work clothing must not be allowed outside of work area. P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. **P303 +P361 + P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. **P304 + P340 + P312** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. **P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. **P308 + P313** If exposed or concerned: Get medical advice/attention. **P362** Take of contaminated clothing. Rinse skin with water/shower. **P331** Do not induce vomiting. **P333 + P313** If skin irritation or rash persists: Get medical advice/attention. **P337 + P313** If eye irritation persists: Get medial advice/attention. **P370 + P378** In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage: P403 + P233 Store in a well-ventilated place. Keep container tightly closed. **P403 + P235** Store in a ventilated place. Keep cool. **P405** Store locked up.

Disposal: P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Potential Health Effects

Carcinogenicity:

IARC Group 2B: Possibly carcinogenic to humans
Naphtha (petroleum), hydrotreated light 64742-49-0
Naphtha (petroleum), solvent-refined light 64741-84-0
Distillates (petroleum), light distillate hydrotreating process, low-boilingSolvent Based Bonding Adhesive 68410-97-0

OSHA No components of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is on OSHA's list is identified as a known or antisipated carcinogen by NTP.

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

SECTION 3 – COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Chemical characterization: Mixture
Description: Mixture of the substances listed below plus non-hazardous additions.
Dangerous components:

CAS#	Name/Description	% of Mixture
108-88-3	Toluene	30-50%
64741-84-0	Naphtha (petroleum), solvent-refined light	5-10%
67-64-1	acetone	10-20%
110-54-3	n-hexane	10-20%
1309-48-4	magnesium oxide	1-5%
64742-49-0	Naphtha (petroleum), hydrotreated light	10-20%
142-82-5	heptane	5-10%
110-82-7	cyclohexane	5-10%
68410-97-9	Distillates (petroleum), light distillate hydrotreating process low-boiling	5-10%
8050-09-7	Rosin	0.1-1%

Actual concentration is withheld as a trade secret

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SECTION 4 – FIRST-AID MEASURES

General Information: Show this document to the doctor in attendance. 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: Flush eyes with water for at least 15 minutes. Get medical attention if eye irritation develops or persists.
If Swallowed: DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. Seek medical attention.

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.

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

Information about protection against explosion and fires:

Keep ignition sources away. Do 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

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Toluene	108-88-3	TWA	20 ppm	ACGIH
		TWA	100 ppm 375 mg/m3	NIOSH REL
		ST	150 ppm 560 mg/m3	NIOSH REL
		TWA	200 ppm	OSHA Z-2
		CEIL	300 ppm	OSHA Z-2
		Peak	500 ppm	OSHA Z-2
		STEL	150 ppm 560 mg/m3	OSHA P0
		TWA	100 ppm 375 mg/m3	OSHA P0
		PEL	10 ppm 37 mg/m3	CAL PEL
		C	500 ppm	CAL PEL
		STEL	150 ppm 560 mg/m3	CAL PEL
acetone	67-64-1	TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	250 ppm 590 mg/m3	NIOSH REL
		TWA	250 ppm 590 mg/m3	NIOSH REL
		TWA	1,000 ppm 2,400 mg/m3	OSHA Z-1
		TWA	750 ppm 1,800 mg/m3	OSHA P0
		STEL	1,000 ppm 2,400 mg/m3	OSHA P0
		STEL	750 ppm 1,780 mg/m3	CAL PEL
		C	3,000 ppm	CAL PEL
		PEL	500 ppm 1,200 mg/m3	CAL PEL

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n-hexane	110-54-3	TWA	50 ppm	ACGIH
		TWA	50 ppm	NIOSH REL
			180 mg/m3	
		TWA	500 ppm 1,800 mg/m3	OSHA Z-1
		TWA	50 ppm 180 mg/m3	OSHA P0
		PEL	50 ppm 180 mg/m3	CAL PEL
Naphtha (petroleum), hydrotreated light	64742-49-0	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		PEL (particulate)	5 mg/m3	CAL PEL
Naphtha (petroleum), solvent-refined light	64741-84-0	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
		PEL	400 ppm 1,600 mg/m3	CAL PEL
heptane	142-82-5	TWA	85 ppm 350 mg/m3	NIOSH REL
		TWA	85 ppm 350 mg/m3	NIOSH REL
		C	440 ppm 1,800 mg/m3	NIOSH REL
		C	440 ppm 1,800 mg/m3	NIOSH REL
		TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
		STEL	500 ppm 2,000 mg/m3	OSHA P0
		TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		PEL	400 ppm 1,600 mg/m3	CAL PEL
		STEL	500 ppm 2,000 mg/m3	CAL PEL
cyclohexane	110-82-7	TWA	100 ppm	ACGIH
		TWA	300 ppm 1,050 mg/m3	NIOSH REL
		TWA	300 ppm 1,050 mg/m3	OSHA Z-1
		TWA	300 ppm 1,050 mg/m3	OSHA P0

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		PEL	300 ppm 1,050 mg/m3	CAL PEL
Distillates (petroleum), light distillate hydrotreating process, low-boiling	68410-97-9	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		PEL (particulate)	5 mg/m3	CAL PEL
magnesium oxide	1309-48-4	TWA (Inhalable particulate matter)	10 mg/m3	ACGIH
		TWA (fume, total particulate)	15 mg/m3	OSHA Z-1
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (Total particulate)	10 mg/m3	OSHA P0
		PEL (Fumes)	10 mg/m3	CAL PEL
		TWA (Fume - total particulate)	10 mg/m3	OSHA P0
Rosin	8050-09-7	TWA (Inhalable particulate matter)	0.001 mg/m3	ACGIH

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.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid
Color:	yellow
Odor:	characteristic
Odor Threshold:	no data available
pH:	not applicable
Melting point/freezing point:	is not determined
Boiling point/boiling range:	is not determined
Evaporation rate:	is not determined
Upper explosion limit:	Upper flammability limit is not determined
Lower explosion limit:	Lower flammability limit is not determined
Vapor pressure:	is not determined
Density:	0.84 g/cm^3
Solubility (jes)	
Water solubility:	is not determined
partition coefficient: n-octanol/water	no data available
Autoignition temperature:	is not determined
Viscosity, kinematic:	is not determined

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability:	the product is chemically stable
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Heat, flames and sparks
Hazardous decomposition products:	Stable under normal conditions

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC50 values that are relevant for classification:

108-88-3 toluene:

Oral LD50 – 5,580 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 11 – TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity: Acute toxicity estmate: >5,000 mg/kg
Method: Calculation method

Acute dermal toxicity: Acute toxicity estimate: >5,000mg/kg
Method: Calculation method

Components:

Toluene:

Acute oral toxicity: LD50 Oral Rat: 5,580 mg/kg LD50

n-**hexane:**

Acute dermal toxicity: Dermal Rabbit: 3,000 mg/kg

heptane:

Acute oral toxicity: LD50 Oral Mouse: 5,000 mg/kg

Acute dermal toxicity: LD50 Dermal Rabbit: 3,000 mg/kg

cyclohexane:

Acute inhalation toxicity: LC50 Rat: 13.9 mg/l

Skin corrosion/irritation

No data available

Serious eye damage/eye

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration toxicity

no data available

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

Components:

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n-hexane:

Toxicity to fish.	LC50 (Pimephales promelas (fathead minnow)):2.1 - 2.98 mg/l Exposure time: 96 Hours Method: flow-through test

Naphtha (petroleum), solvent-refined light:

Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphniea magna (Water flea)): 9.74 mg/l Exposure Time: 48 Hours Test Method: static test

heptane:

Toxicity to daphnia and other aquatic invertebrates	EX50 (Daphnia magna (Water flea)): > 10 mg/l Exposure time 24 Hours Test Method: static test

Cyclohexane:

Toxicity to fish	LC50 (Pimephales promelas (fathead minnow)):3.96 - 5.18 mg/l Exposure time: 96 Hours Method: flow-through test

Rosin:

Toxicity to daphnia and other invertebrates	EC50 (Daphnia magna (Water flea)): 3.8 - 5.4 mg/l Exposure time: 48 Hours Test Method: static test

Persistence and degradability

No data available

Bioaccumulative potential

Components:

Toluene:

Partition coefficient: n-octanol/water	log Pow: 2.73

acetone:

Partition coefficient: n-octanol/water	log Pow: -0.24

Naphtha (petroleum), hydrotreated light:

Partition coefficient: n-octanol/water	log Pow: 2.2 - 6.1 (23°C) pH: 6.2 GLP: yes

heptane:

Partition coefficient: n-octanol/water	log Pow: 4.66

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cyclohexane:
Partition coefficient: n-octanol /water : log Pow: 3.44

Rosin:
Partition coefficient: n-octanol/water : log Pow: >3 - 6.2pH: 6 GLP: yes

Mobility in soil
No data available

Other adverse effects
No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal methods:
Waste from residues:
This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is ignitable waste class D001. Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements. The hazard and precautionary statements displayed on the label also apply to any residues left in the container. Do not dispose this product in 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

International Regulations

IATA-DGR

UN/ID No.	: UN 1133
Proper shipping name	: Adhesives
Class	: 3
Packing group	: II
Labels	: Flammable Liquids
Packing instruction (cargo aircraft)	: 364
Packing instruction (passenger aircraft)	: 353

IMDG-Code

UN number	: UN 1133
Proper shipping name	: ADHESIVES
Class	: 3
Packing group	: II
Labels	: 3
EmS Code	: F-E, S-D
Marine pollutant	: no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic Regulations

49 CFR

UN/ID/NA Number:	:	UN 1133
Proper shipping name:	:	Adhesives
Class:	:	3
Packing group:	:	II
Labels:	:	Flammable Liquids
ERG Code:	:	128
Marine pollutant	:	no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, solely based upon the properties of the unpackaged material as it is described within the Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15 – REGULATORY INFORMATION

SARA 311/312 Hazards:

Flammable (gases, aerosols, liquids, or solids)
Respiratory or skin sensitization
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)
Aspiration hazard
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302:

This material does not contain any components with a section 302 EHS TPQ.

SARA 313:

The following components are subject to reporting levels established by SARA Title lll, Section 313:

Toluene	108-88-3
n-hexane	110-54-3
cyclohexane	110-82-7
lead monoxide	1317-36-8

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean air Act, Section 112 (40 CFR 61):

Toluene	108-88-3
n-hexane	110-54-3
Xylene	1330-20-7

US State Regulations

California Prop 65

Please contact supplier for more information

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The ingredients of this product are reported in the following inventories:

US TSCA	All substances listed as active on the TSCA inventory
AU AIIC	On the inventory, or in compliance with the inventory
CA DSL	All components of this product are on the Canadian DSL

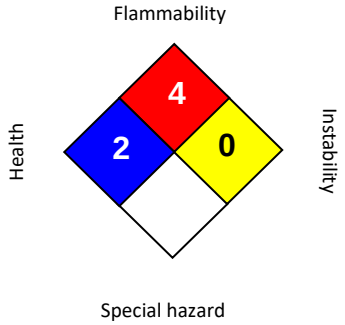
Inventories Legend

TSCA (USA), DSL (Canada), REACH Europe), AIIC (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

SECTION 16 – OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	3*
FLAMMABILITY	4
PHYSICAL HAZARD	0

0 = not significant
1 =Slight
2 = Moderate
3 = High
4 = Extreme
* = Chronic

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:	July 1, 2026
Supersedes Date:	May 15, 2018
Reason for revision:	Change to supplier contact information