

Supplied By: **StaFast Building Products**  
7095 Americana Parkway  
Reynoldsburg, Ohio 43068  
1-800-225-4714  
Trade Name:  
**Statite Bonding Adhesive**

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Revision Date: 11/12/2009  
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MSDS Number: R0171910  
Version: 1.6

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Ashland	Regulatory Information Number	1-800-325-3751
P.O. Box 2219	Telephone	614-790-3333
Columbus, OH 43216	Emergency telephone	1-800-ASHLAND (1-800-274-5263)

FOR CHEMICAL EMERGENCY: CALL CHEMTREC AT 800-424-9300 24 HRS.

Product name	STATITE BONDING ADHESIVE
Product code	119307
Product Use Description	Adhesives

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance: liquid, yellow

DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN, CAUSE IRRITATION AND BURNS.

**Potential Health Effects**

**Exposure routes**

Inhalation, Skin absorption, Skin contact, Ingestion

**Eye contact**

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

**Skin contact**

Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage.

**Ingestion**

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Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

### **Inhalation**

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

### **Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), liver, kidney, central nervous system, spleen, auditory system, eye

### **Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), temporary changes in mood and behavior, irregular heartbeat, and death

### **Target Organs**

Prolonged and repeated exposure to n-hexane may cause peripheral neuropathy by damaging peripheral nerve tissue (that of the arms and legs) and result in muscular weakness and loss of sensation. Prolonged and repeated inhalation of high levels of mixed isomers of hexane resulted in kidney damage in male rats. The effects observed are the same as those seen in male rats exposed to other hydrocarbons. The mechanism by which these chemicals cause the characteristic kidney toxicity is unique to the male rat and the kidney effects are not expected to occur in man. Prolonged intentional toluene abuse may lead to hearing loss progressing to deafness. In addition, while noise is known to cause hearing loss in humans, it has been suggested that workers exposed to organic solvents, including toluene, along with noise may suffer greater hearing loss than would be expected from exposure to noise alone. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: liver abnormalities, spleen damage, eye damage, kidney damage, effects on hearing, testis damage, lung damage, central nervous system damage. Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans: liver abnormalities, visual impairment, central nervous system effects

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**Carcinogenicity**

Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. The International Agency for Research on Cancer (IARC) has classified ethylbenzene as a possible human carcinogen.

**Reproductive hazard**

Toluene may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of toluene during pregnancy can cause birth defects in humans.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Components</b>	<b>CAS-No.</b>	<b>Concentration</b>
TOLUENE	108-88-3	>=30-<40%
ACETONE	67-64-1	>=20-<30%
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8	>=5-<10%
N-HEXANE	110-54-3	>=5-<10%
CYCLOHEXANE	110-82-7	>=1.5-<5%
n-HEPTANE	142-82-5	>=1-<1.5%
ETHYL BENZENE	100-41-4	>=0.1-<0.5%

**4. FIRST AID MEASURES**

**Eyes**

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

**Skin**

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

**Ingestion**

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Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

#### **Inhalation**

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

#### **Notes to physician**

**Hazards:** This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

**Treatment:** No information available.

### **5. FIRE-FIGHTING MEASURES**

#### **Suitable extinguishing media**

Water mist, Dry powder, Foam, Carbon dioxide (CO2)

#### **Hazardous combustion products**

May form:, carbon dioxide and carbon monoxide, phenols, various hydrocarbons

#### **Precautions for fire-fighting**

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

#### **Flammability Class for Flammable Liquids**

Flammable Liquid Class IB

### **6. ACCIDENTAL RELEASE MEASURES**

#### **Personal precautions**

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For personal protection see section 8. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks.

**Environmental precautions**

No data

**Methods for cleaning up**

Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

**Other information**

Notify the proper authorities as required that a spill has occurred.

**7. HANDLING AND STORAGE**

**Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77. When used as part of an EPDM roofing system involving roller application, pails should be electrically and mechanically connected to the application equipment, and the system should be grounded. When used as part of a roofing system involving spray application, the roof surface, applicator nozzle and human operator should be electrically and mechanically connected, and the system should be grounded.

**Storage**

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright

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to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

<b>TOLUENE</b>		<b>108-88-3</b>
ACGIH	time weighted average	20 ppm
NIOSH	Recommended exposure limit (REL):	100 ppm
NIOSH	Recommended exposure limit (REL):	375 mg/m3
NIOSH	Short term exposure limit	150 ppm
NIOSH	Short term exposure limit	560 mg/m3
OSHA Z2	time weighted average	200 ppm
OSHA Z2	Ceiling Limit Value:	300 ppm
OSHA Z2	Maximum concentration:	500 ppm

<b>ACETONE</b>		<b>67-64-1</b>
ACGIH	time weighted average	500 ppm
ACGIH	Short term exposure limit	750 ppm
NIOSH	Recommended exposure limit (REL):	250 ppm
NIOSH	Recommended exposure limit (REL):	590 mg/m3
OSHA Z1	Permissible exposure limit	1,000 ppm
OSHA Z1	Permissible exposure limit	2,400 mg/m3

<b>SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC</b>		<b>64742-89-8</b>
OSHA Z1	time weighted average	500 ppm
ACGIH	time weighted average	300 ppm
ACGIH	time weighted average	1,370 mg/m3

<b>N-HEXANE</b>		<b>110-54-3</b>
ACGIH	time weighted average	50 ppm
NIOSH	Recommended exposure limit (REL):	50 ppm
NIOSH	Recommended exposure limit (REL):	180 mg/m3
OSHA Z1	Permissible exposure limit	500 ppm
OSHA Z1	Permissible exposure limit	1,800 mg/m3

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### CYCLOHEXANE

110-82-7

ACGIH	time weighted average	100 ppm
OSHA Z1	Permissible exposure limit	300 ppm
OSHA Z1	Permissible exposure limit	1,050 mg/m3
NIOSH	Recommended exposure limit (REL):	300 ppm
NIOSH	Recommended exposure limit (REL):	1,050 mg/m3

### n-HEPTANE

142-82-5

ACGIH	time weighted average	400 ppm
ACGIH	Short term exposure limit	500 ppm
NIOSH	Recommended exposure limit (REL):	85 ppm
NIOSH	Recommended exposure limit (REL):	350 mg/m3
NIOSH	Ceiling Limit Value and Time Period (if specified):	440 ppm
NIOSH	Ceiling Limit Value and Time Period (if specified):	1,800 mg/m3
OSHA Z1	Permissible exposure limit	500 ppm
OSHA Z1	Permissible exposure limit	2,000 mg/m3
OSHA Z1A	time weighted average	400 ppm
OSHA Z1A	time weighted average	1,600 mg/m3
OSHA Z1A	Short term exposure limit	500 ppm
OSHA Z1A	Short term exposure limit	2,000 mg/m3
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	400 ppm
US CA OEL	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):	1,600 mg/m3
US CA OEL	Short term exposure limit	500 ppm
US CA OEL	Short term exposure limit	2,000 mg/m3
ACGIH	time weighted average	400 ppm
ACGIH	Short term exposure limit	500 ppm

#### General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

#### Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

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### Eye protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

### Skin and body protection

Wear resistant gloves (consult your safety equipment supplier).  
To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

### Respiratory protection

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH-approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	No data
Colour	yellow
Odour	No data
Boiling point/boiling range	56.00 °C / 133 °F
pH	No data
Flash point	(<)-2 °F / -19 °C, Seta closed cup
Evaporation rate	< 1 (Ethyl Ether)
Explosion limits	No data
Vapour pressure	No data
Vapour density	(>) 1 (AIR=1)
Density	0.872 g/cm <sup>3</sup> @ 77.00 °F / 25.00 °C 7.26 lb/gal @ 77.00 °F / 25.00 °C
Solubility	No data
Partition coefficient: n-octanol/water	No data
log Pow	no data available
Autoignition temperature	No data

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## 10. STABILITY AND REACTIVITY

### Stability

Stable.

### Conditions to avoid

### Incompatible products

Avoid contact with: strong alkalis, strong mineral acids, strong oxidizing agents

### Hazardous decomposition products

Hydrocarbons, carbon dioxide and carbon monoxide

### Hazardous reactions

Product will not undergo hazardous polymerization.

### Thermal decomposition

No data

## 11. TOXICOLOGICAL INFORMATION

### Acute oral toxicity

TOLUENE	LD 50 Rat: 2,600 - 7,500 mg/kg
ACETONE	LD 50 Rat: 5,800 mg/kg
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	LD 50 Rat: > 8,000 mg/kg
N-HEXANE	LD 50 Rat: 25 g/kg
CYCLOHEXANE	LD 50 Rat: 29,820 mg/kg LD 50 Mouse: 1,300 mg/kg
n-HEPTANE	LD 50 Rat: > 15,000 mg/kg
ETHYL BENZENE	LD 50 Rat: 3,500 mg/kg

### Acute inhalation toxicity

TOLUENE	LC 50 Rat: 8000 ppm, 4 h
ACETONE	LC 50 Rat: > 16000 ppm, 4 h

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SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	LC 50 Rat: 3400 ppm, 4 h
N-HEXANE	LC 50 Rat: 48000 ppm, 4 h
CYCLOHEXANE	LC 50 Rat: > 4044 ppm,
n-HEPTANE	LC 50 Rat: 103 g/m <sup>3</sup> , 4 h LC 50 Rat: 103 g/m <sup>3</sup> , 4 h LD 50 Mouse: 75 g/m <sup>3</sup> , 2 h
ETHYL BENZENE	LC Lo Rat: 4000 ppm, 4 h

**Acute dermal toxicity**

TOLUENE	LD 50 Rabbit: 12,124 mg/kg
ACETONE	LD 50 Rabbit: > 20,000 mg/kg
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	LD 50 Rat: > 4,000 mg/kg
N-HEXANE	LD 50 Rabbit: > 1.3 g/kg
CYCLOHEXANE	LD 50 Rabbit: > 2.0 g/kg
n-HEPTANE	LD 50 Rabbit: > 2,001 mg/kg
ETHYL BENZENE	LD 50 Rabbit: 17,800 mg/kg

**12. ECOLOGICAL INFORMATION**

**Aquatic toxicity**

**Acute and Prolonged Toxicity to Fish**

No data

**Acute Toxicity to Aquatic Invertebrates**

No data

**Environmental fate and pathways**

No data

**13. DISPOSAL CONSIDERATIONS**

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**Waste disposal methods**

Destroy by liquid incineration in accordance with applicable regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

**14. TRANSPORT INFORMATION**

**IMDG:**

UN1133, ADHESIVES 3, II

**IATA\_P:**

UN1133, Adhesives 3, II

**IATA\_C:**

UN1133, Adhesives 3, II

**CFR\_ROAD:**

UN1133, Adhesives 3, II

**CFR\_RAIL:**

UN1133, Adhesives 3, II

**CFR\_INWTR:**

UN1133, Adhesives 3, II

**IMDG\_ROAD:**

UN1133, ADHESIVES 3, II

**IMDG\_RAIL:**

UN1133, ADHESIVES 3, II

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**15. REGULATORY INFORMATION**

**California Prop. 65**

WARNING! This product contains a chemical known in the State of California to cause cancer.

ETHYL BENZENE

BENZENE

FORMALDEHYDE



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n-HEPTANE	142-82-5
BENZENE	71-43-2

### Reportable quantity - Product

US. EPA CERCLA Hazardous Substances (40 CFR 302)	2718 lbs
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### Reportable quantity - Components

TOLUENE	108-88-3	1000 lbs
ACETONE	67-64-1	5000 lbs
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8	none
N-HEXANE	110-54-3	5000 lbs
CYCLOHEXANE	110-82-7	1000 lbs
n-HEPTANE	142-82-5	none
ETHYL BENZENE	100-41-4	1000 lbs

	Health	Flammability	Reactivity	Other
HMIS	2*	3	0	
NFPA	2	3	0	

## 16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).