

# Material Safety Data Sheet

Supplied By: **StaFast Building Products**  
7095 Americana Parkway  
Reynoldsburg, Ohio 43068  
1-800-225-4714

Trade Name: **StaBond Bonding Adhesive**

Revision Number: 001.1

Issue date: 11/17/2009

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **STABOND**  
Product type: Adhesive

IDH number: 749920

Region: United States

Company address:  
Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

Contact information:  
Telephone: 860.571.5100  
Emergency telephone: 860.571.5100  
Internet: www.henkelna.com

For chemical Emergency: Call CHEMTREC at 800-424-9300

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b>	Liquid	<b>HEALTH:</b>	*2
<b>Color:</b>	Light yellow	<b>FLAMMABILITY:</b>	3
<b>Odor:</b>	Solvent	<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8

**DANGER:** EXTREMELY FLAMMABLE LIQUID AND VAPOR.  
VAPOR MAY CAUSE FLASH FIRE.  
MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

### Potential Health Effects

**Inhalation:** May cause irritation to nose and throat. Inhalation of vapors may cause moderate to severe respiratory tract irritation. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**Skin contact:** This material is a primary skin irritant. May cause irritation due to defatting of the skin.

**Eye contact:** This product may be severely irritating to the eyes. May cause corneal injury.

**Ingestion:** Harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspirated material can enter the lungs and result in pneumonitis.

**Existing conditions aggravated by exposure:** Eye, skin and respiratory disorders. Reproductive organs and developing fetus. Reports have associated prolonged and repeated occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Toluene	108-88-3	30 - 60
Heptane, branched, cyclic and linear	426260-76-6	10 - 30
Solvent naphtha, petroleum, light aliph.	64742-89-8	5 - 10
n-Hexane	110-54-3	5 - 10
Cyclohexane	110-82-7	1 - 5
n-Heptane	142-82-5	1 - 5

IDH number: 749920

Product name: STABOND LNP8522MST

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.
<b>Skin contact:</b>	Immediately wash skin thoroughly with soap and water. Remove contaminated clothing and footwear. Get immediate medical attention.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention.

#### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	-12.8 °C (8.96 °F)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits - lower:</b>	1.1 % (Toluene)
<b>Flammable/Explosive limits - upper:</b>	7.1 % (Toluene)
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	Vapors are heavier than air and may travel along the ground or be moved by ventilation and subsequently ignited by heat, pilot lights or other ignition sources at locations distant from the material handling point. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.
<b>Hazardous combustion products:</b>	Thermal decomposition can lead to release of irritating gases and vapors. Smoke. Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Isolate area. Keep unnecessary personnel away. Prevent further leakage or spillage if safe to do so. Prevent contamination of soil and water.
<b>Clean-up methods:</b>	Remove all sources of ignition. Use non-sparking tools for clean-up. Wear suitable protective clothing, gloves and eye/face protection. Wear suitable respiratory protection. Avoid skin contact and inhalation of vapors during disposal of spills. Confine in small area; use absorbent to clean up. Place in container for disposal with accordance with federal, state and local regulations.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Do not handle or store near an open flame, heat or other sources of ignition. Avoid breathing vapors or mists of this product. Wear suitable protective clothing, safety glasses and gloves. Avoid skin and eye contact. Use proper bonding and/or grounding procedures. Keep container closed.
------------------	---

**Storage:**

For safe storage, store between 0 °C (32°F) and 46 °C (114.8 °F)  
Keep from freezing. Heat, flames, sparks and other sources of ignition.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None
Heptane, branched, cyclic and linear	None	None	None	None
Solvent naphtha, petroleum, light aliph.	None	None	None	None
n-Hexane	(SKIN) 50 ppm TWA	500 ppm (1,800 mg/m <sup>3</sup> ) TWA	None	None
Cyclohexane	100 ppm TWA	300 ppm (1,050 mg/m <sup>3</sup> ) TWA	None	None
n-Heptane	400 ppm TWA 500 ppm STEL	500 ppm (2,000 mg/m <sup>3</sup> ) TWA	None	None

**Engineering controls:**

Ensure adequate ventilation, especially in confined areas. Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

**Respiratory protection:**

Do not inhale vapors and fumes. Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).

**Eye/face protection:**

Safety goggles or safety glasses with side shields. Wear face shield as necessary when spraying.

**Skin protection:**

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Light yellow
<b>Odor:</b>	Solvent
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	Not determined
<b>Boiling point/range:</b>	64 - 112 °C (147.2 - 233.6 °F)
<b>Melting point/ range:</b>	Not determined
<b>Specific gravity:</b>	0.7 (Water = 1)
<b>Vapor density:</b>	Heavier than air
<b>Flash point:</b>	-12.8 °C (8.96 °F)
<b>Flammable/Explosive limits - lower:</b>	1.1 % (Toluene)
<b>Flammable/Explosive limits - upper:</b>	7.1 % (Toluene)
<b>Autoignition temperature:</b>	Not available
<b>Evaporation rate:</b>	Slower than diethyl ether.
<b>Solubility in water:</b>	Slightly soluble
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>VOC content:</b>	684 g/l (minus exempt solvents and water).
<b>Viscosity:</b>	2,000 - 2,500 cp

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Normally stable.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Burning, including when heated by welding or cutting, will produce smoke, carbon monoxide and carbon dioxide.
<b>Incompatible materials:</b>	Strong acids and strong bases. Oxidizing agents.
<b>Conditions to avoid:</b>	Freezing conditions. Avoid excessive heat (>46°C (>115°F)) and sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Toluene	No	No	No
Heptane, branched, cyclic and linear	No	No	No
Solvent naphtha, petroleum, light aliph.	No	No	No
n-Hexane	No	No	No
Cyclohexane	No	No	No
n-Heptane	No	No	No

Hazardous components	Health Effects/Target Organs
Toluene	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant
Heptane, branched, cyclic and linear	Irritant, Central nervous system
Solvent naphtha, petroleum, light aliph.	Irritant
n-Hexane	Developmental, Irritant, Lung, Nervous System, Reproductive
Cyclohexane	Irritant, Central nervous system
n-Heptane	Central nervous system, Irritant

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable federal, state and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

**Hazardous waste number:** D001: Ignitable.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR)

<b>Proper shipping name:</b>	Adhesives
<b>Hazard class or division:</b>	3
<b>Identification number:</b>	UN 1133
<b>Packing group:</b>	II
<b>DOT Reportable quantity:</b>	Toluene

**International Air Transportation (ICAO/IATA)**

Proper shipping name: Adhesives  
Hazard class or division: 3  
Identification number: UN 1133  
Packing group: II

**Water Transportation (IMO/IMDG)**

Proper shipping name: ADHESIVES  
Hazard class or division: 3  
Identification number: UN 1133  
Packing group: II

**15. REGULATORY INFORMATION****United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

**TSCA 12(b) Export Notification:** N-Heptane (CAS# 142-82-5).

**CERCLA/SARA Section 302 EHS:** None above reporting de minimus  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health, Fire  
**CERCLA/SARA 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Toluene (CAS# 108-88-3). n-Hexane (CAS# 110-54-3). Cyclohexane (CAS# 110-82-7).

**CERCLA Reportable quantity:** Toluene (CAS# 108-88-3) 1,000 lbs. (454 kg)  
n-Heptane (CAS# 142-82-5) 100 lbs. (45.4 kg)  
Benzene (CAS# 71-43-2) 10 lbs. (4.54 kg)

**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information**

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**WHMIS hazard class:** D.2.A, D.2.B, B.2

**16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Carrie Oswald, Regulatory Affairs Specialist

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.