



# SAFETY DATA SHEET

## Section 1 - Chemical Product and Company Information

**Product Name:** LOCTITE AA H3151 B HARDENER  
known as SPEEDBONDER H3151 400 ML PART B

**Product Type:** Acrylics

**Emergency 24-hour Phone (English):** CHEMTREC Number +(800) 424-9300

**Company Information:** UltraTech International, Inc.  
11542 Davis Creek Court  
Jacksonville, Florida 32256 USA

**e-mail:** info@spillcontainment.com  
**Web:** www.spillcontainment.com  
**Telephone:** 800.353.1611 • 904.292.1611 (M-W; 8:00 a.m. - 5:00 p.m. EDT)  
**Fax:** 904.292.1325

## Section 2 - Hazards Identification

### EMERGENCY OVERVIEW:

DANGER: HIGHLY FLAMMABLE LIQUID AND VAPOR.  
CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION  
CAUSES SERIOUS EYE DAMAGE.  
MAY CAUSE RESPIRATORY IRRITATION.

| HAZARD CLASS                                     | HAZARD CATEGORY |
|--|-----------------|
| FLAMMABLE LIQUID                                 | 2               |
| SKIN IRRITATION                                  | 2               |
| SERIOUS EYE DAMAGE                               | 2A              |
| SKIN SENSITIZATION                               | 1               |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | 3               |

### Precautionary Statements

**Prevention:** Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.

**Response:** If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Immediately call a poison control center or physician. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.



## SAFETY DATA SHEET

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

### Section 3 - Composition/Information on Ingredients

| Chemical Name             | CAS number  | %        |
|---------------------------|-------------|----------|
| Methyl methacrylate       | 80-62-6     | 60 - 100 |
| Methacrylate monomer      | Proprietary | 5 - 10   |
| Aldehyde-amine condensate | Proprietary | 1 - 5    |
| Zinc chloride             | 7646-85-7   | 1 - 5    |
| Zeolites                  | 1318-02-1   | 0.1 - 1  |

### Section 4 - First Aid Measures

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Skin Contact:** Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Eye Contact:** Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

**Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

**Symptoms:** See Section 11.

### Section 5 - Fire Fighting Measures

**Extinguishing media:** Foam, dry chemical or carbon dioxide.

**Special firefighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Unusual fire or explosion hazards:** Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

**Hazardous combustion products:** Oxides of carbon. Oxides of phosphorus. Oxides of sulfur. Hydrogen chloride. Acids. Alcohols. Aldehydes. Toxic fumes. Irritating vapors.



# SAFETY DATA SHEET

## Section 6 - Accidental Release Measures

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

Environmental precautions: Do not allow product to enter sewer or waterways.

Clean-up methods: Remove all sources of ignition. Ensure adequate ventilation. Wear appropriate personal protective equipment. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal.

## Section 7 - Handling & Storage

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Make sure containers are properly grounded before use or transfer of material.

Storage: For safe storage, store between 0 °C (32°F) and 32 °C (89.6 °F) Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame. Protect from direct sunlight. Maintain head space in storage containers to support oxygen requirements of the inhibitor(s).

## Section 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 Component(s)    | ACGIH TLV  | OSHA PEL                             | AIHA WEEL | OTHER  |
|---------------------------|--|--------------------------------------|-----------|--------|
| Methyl methacrylate       | 50 ppm TWA<br>100 ppm STEL<br>(Sensitizer.)  | 100 ppm (410 mg/m <sup>3</sup> ) PEL | None      | 50 ppm |
| Methacrylate monomer      | None   | None                                 | None      | None   |
| Aldehyde-amine condensate | None   | None                                 | None      | None   |
| Zinc chloride             | 2 mg/m <sup>3</sup> STEL Fume.<br>1 mg/m <sup>3</sup> TWA Fume.  | 1 mg/m <sup>3</sup> PEL Fume.        | None      | None   |
| Zeolites                  | 1 mg/m <sup>3</sup> TWA Respirable fraction.<br>10 mg/m <sup>3</sup> TWA Inhalable dust.<br>3 mg/m <sup>3</sup> TWA Respirable fraction. | None                                 | None      | None   |

## SAFETY DATA SHEET

|                                |   |
|--------------------------------|---|
| <b>Engineering controls:</b>   | Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.                       |
| <b>Respiratory protection:</b> | Use NIOSH approved respirator if there is potential to exceed exposure limit(s).  |
| <b>Eye/face protection:</b>    | Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. |
| <b>Skin protection:</b>        | Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.                               |

### Section 9 - Physical & Chemical Properties

|   |                                 |
|---|---------------------------------|
| <b>Physical state:</b>                          | Liquid, Paste                   |
| <b>Color:</b>                                   | Yellow                          |
| <b>Odor:</b>                                    | Strong                          |
| <b>Odor threshold:</b>                          | Not available.                  |
| <b>pH:</b>                                      | Not available.                  |
| <b>Vapor pressure:</b>                          | Not available.                  |
| <b>Boiling point/range:</b>                     | > 212 °F (> 100°C) None         |
| <b>Melting point/ range:</b>                    | Not available.                  |
| <b>Specific gravity:</b>                        | 0.96                            |
| <b>Vapor density:</b>                           | > 1                             |
| <b>Flash point:</b>                             | 14 °C (57.2 °F)                 |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.                  |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.                  |
| <b>Autoignition temperature:</b>                | Not available.                  |
| <b>Evaporation rate:</b>                        | Faster than ether., (Ether = 1) |
| <b>Solubility in water:</b>                     | Slight                          |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                  |
| <b>VOC content:</b>                             | 0.28 %; 2.65 g/l                |
| <b>Viscosity:</b>                               | Not available.                  |
| <b>Decomposition temperature:</b>               | Not available.                  |

### Section 10 - Stability & Reactivity

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable under normal conditions of storage and use.   |
| <b>Hazardous reactions:</b>              | Polymerization may occur at elevated temperatures or upon depletion of inhibitor.  |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Oxides of phosphorus. Oxides of sulfur. Hydrogen chloride. Acids. Aldehydes. Alcohols. Toxic fumes. Irritating vapors. |
| <b>Incompatible materials:</b>           | Oxidizing agents. Reducing agents. Acids. Bases. Peroxides. Free radical initiators. Metals.   |



# SAFETY DATA SHEET

**Reactivity:** Not available.

**Conditions to avoid:** Keep away from heat, ignition sources and incompatible materials. Protect from direct sunlight. Loss of polymerization inhibitor. Loss of dissolved air. Inert gas blanketing. Do not mix in batches greater than 100 grams (0.22 pounds) unless you plan to use immediately.

## Section 11 - Toxicological Information

**Relevant routes of exposure:** Skin, Inhalation, Eyes

**Potential Health Effects/Symptoms**

**Inhalation:** May cause respiratory tract irritation. Drowsiness. Dizziness  
**Skin contact:** Causes skin irritation. May cause allergic skin reaction.  
**Eye contact:** Causes serious eye damage.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s)    | LD50s & LC50s   | Immediate & Delayed Health Effects   |
|---------------------------|---|--|
| Methyl methacrylate       | Oral LD50 (RAT) = 7,800 mg/kg<br>Oral LD50 (RABBIT) = 6,000 mg/kg<br>Oral LD50 (RAT) = 9,400 mg/kg<br>Inhalation LC50 (RAT, 8 h) = 3750 ppm     | Allergen, Irritant, Kidney, Liver, Mutagen, Nervous System, Respiratory                                    |
| Methacrylate monomer      | Oral LD50 (RAT) = 22,600 mg/kg<br>Oral LD50 (RAT) = 16.0 g/kg<br>Dermal LD50 (RABBIT) = 11,300 mg/kg<br>Inhalation LC50 (RAT, 4 h) = 4,910 mg/l | Irritant, Allergen   |
| Aldehyde-amine condensate | None  | No Records   |
| Zinc chloride             | Oral LD50 (RAT) = 350 mg/kg<br>Oral LD50 (RAT) = 350 mg/kg<br>Oral LD50 (RAT) = 1,100 mg/kg<br>Inhalation LC50 (RAT, 10 min) = <= 1.975 mg/l    | Lung, Corrosive, Irritant, Central nervous system, Eyes, Metabolic, Pancreas, Kidney, Blood, Immune system |
| Zeolites                  | None  | Mutagen, Respiratory, Some evidence of carcinogenicity   |

| Hazardous Component(s)    | LD50s & LC50s | Immediate & Delayed Health Effects | OSHA Carcinogen (Specifically Regulated) |
|---------------------------|---------------|------------------------------------|--|
| Methyl methacrylate       | No            | No                                 | No                                       |
| Methacrylate monomer      | No            | No                                 | No                                       |
| Aldehyde-amine condensate | No            | No                                 | No                                       |
| Zinc chloride             | No            | No                                 | No                                       |
| Zeolites                  | No            | No                                 | No                                       |



# SAFETY DATA SHEET

## Section 12 - Ecological Information

Ecological Information: Not available.

## Section 13 - Disposal Considerations

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations

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

## Section 14 - Transport Information

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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

**Proper shipping name:** Adhesives  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II  
**DOT Hazardous Substance(s):** Methyl methacrylate

### 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



## SAFETY DATA SHEET

### Section 15 - Regulatory Information

#### United States Regulatory Information

|   |  |
|---|--|
| <b>TSCA 8 (b) Inventory Status:</b>     | All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  |
| <b>TSCA 12 (b) Export Notification:</b> | None above reporting de minimis  |
| <b>CERCLA/SARA Section 302 EHS:</b>     | None above reporting de minimis  |
| <b>CERCLA/SARA Section 311/312:</b>     | Fire, Immediate Health, Delayed Health   |
| <b>CERCLA/SARA Section 313:</b>         | 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). Methyl methacrylate (CAS# 80-62-6). Zinc chloride (CAS# 7646-85-7). |
| <b>CERCLA Reportable quantity:</b>      | Methyl methacrylate (CAS# 80-62-6) 1,000 lbs. (454 kg)   |
| <b>California Proposition 65:</b>       | 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

|                              |   |
|------------------------------|---|
| <b>CEPA DSL/NDSL Status:</b> | All components are listed on or are exempt from listing on the Canadian Domestic Substances List. |
|------------------------------|---|

### Section 16 - Other Information

**Issue date:** August 5, 2014

#### Further information

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

UVCB: A substance of Unknown or Variable composition, Complex reaction products or Biological materials.

The information this safety data sheet is believed to be accurate and is the best information available to UltraTech International, Inc. This document is intended only as a guide to the appropriate precautions to handling a chemical by a person trained in chemical handling. UltraTech International makes no warranty of merchantability and any other warranty, express or implied with respect to such information or the product to which it relates, and we assume no liability resulting from the use, misuse or handling of the product to which the safety data sheet relates. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purposes.