



Revision Number: 006.1

Issue date: 06/03/2020

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                               |   |                     |               |
|-------------------------------|---|---------------------|---------------|
| <b>Product name:</b>          | <b>LOCTITE ABLESTIK 240-3 known as TRA-BOND 240-3 (1.3g),</b> | <b>IDH number:</b>  | 1403164       |
| <b>Product type/use:</b>      | Adhesive  | <b>Item number:</b> | 440577        |
| <b>Restriction of Use:</b>    | None identified   | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>                                   |                     |               |
| Henkel Corporation            | Telephone: +1 (860) 571-5100                                  |                     |               |
| One Henkel Way                | MEDICAL EMERGENCY Phone: Poison Control Center                |                     |               |
| Rocky Hill, Connecticut 06067 | 1-877-671-4608 (toll free) or 1-303-592-1711                  |                     |               |
|                               | TRANSPORT EMERGENCY Phone: CHEMTREC                           |                     |               |
|                               | 1-800-424-9300 (toll free) or 1-703-527-3887                  |                     |               |
|                               | Internet: www.henkelna.com                                    |                     |               |

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**DANGER:** CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.  
FATAL IF INHALED.  
MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.  
SUSPECTED OF CAUSING CANCER.  
CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

| HAZARD CLASS                                       | HAZARD CATEGORY |
|--|-----------------|
| ACUTE TOXICITY INHALATION                          | 2               |
| SKIN IRRITATION                                    | 2               |
| EYE IRRITATION                                     | 2A              |
| RESPIRATORY SENSITIZATION                          | 1               |
| SKIN SENSITIZATION                                 | 1               |
| CARCINOGENICITY                                    | 2               |
| SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE | 1               |

### PICTOGRAM(S)



### Precautionary Statements

|                    |  |
|--------------------|--|
| <b>Prevention:</b> | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or fumes. Wash affected area thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection. [In case of inadequate ventilation] wear respiratory protection.                 |
| <b>Response:</b>   | IF ON SKIN: Wash with plenty of water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. |
| <b>Storage:</b>    | Store in a well-ventilated place. Keep container tightly closed. Store locked up.  |
| <b>Disposal:</b>   | Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.  |

IDH number: 1403164

 Product name: LOCTITE ABLESTIK 240-3 known as TRA-BOND 240-3 (1.3g),  
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Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s)   | CAS Number  | Percentage* |
|--|-------------|-------------|
| Castor oil, oligomeric reaction products with toluene diisocyanate | 67700-43-0  | 30 - 60     |
| Silica, amorphous, fumed, crystal-free                             | 112945-52-5 | 5 - 10      |
| Toluene diisocyanate   | 26471-62-5  | 1 - 5       |
| Coumarin, 7-(diethylamino)-4-methyl-                               | 91-44-1     | 0.1 - 1     |

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

|                            |   |
|----------------------------|---|
| <b>Inhalation:</b>         | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Persons suffering from allergic reactions to isocyanates should avoid contact with the product. Asthmatic-type symptoms may develop and may be immediate or delayed up to several hours. Extreme asthmatic reactions can be life threatening.  |
| <b>Skin contact:</b>       | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse.   |
| <b>Eye contact:</b>        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get 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 medical attention.   |
| <b>Symptoms:</b>           | See Section 11.   |
| <b>Notes to physician:</b> | Eyes: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation frequently. Workplace vapors have produced reversible corneal epithelial edema impairing vision. Skin: This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. Respiratory: This compound is a known pulmonary sensitizer. Ingestion: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound. |

### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media:</b>               | Water spray (fog), 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. In case of fire, keep containers cool with water spray. |
| <b>Unusual fire or explosion hazards:</b> | Sealed containers at elevated temperatures or contaminated with water may rupture explosively. At higher temperatures isocyanate may be released.    |
| <b>Hazardous combustion products:</b>     | Oxides of carbon, oxides of nitrogen, irritating organic vapors. Hydrocarbons Hydrogen cyanide. Isocyanate vapors.                                   |

### 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> | Do not allow product to enter sewer or waterways. |
|-----------------------------------|---|

**Clean-up methods:**

Remove all sources of ignition. Ensure adequate ventilation. Isolate area. Keep unnecessary personnel away. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. For minor spills, absorb isocyanates with sawdust or other absorbent, shovel into suitable unsealed containers, transport to well ventilated area (outside) and treat with neutralizing solution: mixture of 80% water and 20% non-ionic surfactant Tergitol TMN-10; or 90% water, 3-8% concentrated ammonia and 2% detergent. Allow to stand uncovered for 48 hours to let carbon dioxide escape.

## 7. HANDLING AND STORAGE

**Handling:**

Use only with adequate ventilation. Keep away from heat, spark and flame. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Refer to Section 8.

**Storage:**

Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Do not let moisture contaminate this material. Product reacts with water to release carbon dioxide, which could build up pressure in closed containers and lead to bursting. Do not reseal if moisture contamination is suspected.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 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 |
|--|--|-------------------------------|-----------|-------|
| Castor oil, oligomeric reaction products with toluene diisocyanate | None   | None                          | None      | None  |
| Silica, amorphous, fumed, crystal-free                             | 10 mg/m3 TWA<br>Inhalable dust.<br>3 mg/m3 TWA<br>Respirable fraction.   | 20 MPPCF TWA<br>0.8 mg/m3 TWA | None      | None  |
| Toluene diisocyanate   | 0.005 ppm STEL<br>Inhalable fraction and vapor.<br>0.001 ppm TWA<br>Inhalable fraction and vapor.<br>(SKIN) Inhalable fraction and vapor.<br>(Respiratory sensitization)<br>(Dermal sensitization) | None                          | None      | None  |
| Coumarin, 7-(diethylamino)-4-methyl-                               | None   | None                          | None      | None  |

**Engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Standard reference sources regarding industrial ventilation (i.e., ACGIH Industrial Ventilation) should be consulted for guidance about adequate ventilation. Air monitoring: Monitoring of airborne isocyanates in the breathing zone of individuals should become part of the overall employee exposure characterization program. Monitoring techniques have been developed by NIOSH and OSHA. Medical Surveillance: Medical supervision of all employees who handle or come in contact with isocyanates is recommended. Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or sensitization should be excluded from working with isocyanates. Once a person is diagnosed as sensitized to an isocyanate, no further exposure can be permitted.

**Respiratory protection:**

Under certain conditions such as heating or spraying where mists or aerosols may be generated and engineering controls are not sufficient suitable respiratory protection should be worn. A positive pressure, supplied-air respirator or a self-contained breathing apparatus is recommended. Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists. However, this should be permitted only for short periods of time (less than one hour) at relatively low concentrations (at or near the TLV). Observe OSHA regulations for respirator use (29 CFR 1910.134).

**Eye/face protection:**

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:**

Permeation resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol). However, please note that polyvinyl alcohol degrades in water. Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered by the cream to a minimum.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |   |
|--|---|
| Physical state:                          | Solid   |
| Color:                                   | Blue  |
| Odor:                                    | Pungent   |
| Odor threshold:                          | Not available.                                  |
| pH:                                      | Not available.                                  |
| Vapor pressure:                          | Not applicable                                  |
| Boiling point/range:                     | Not available.                                  |
| Melting point/ range:                    | Not available.                                  |
| Specific gravity:                        | 1.1   |
| Vapor density:                           | Not applicable                                  |
| Flash point:                             | > 126 °C (> 258.8 °F) Pensky Martens closed cup |
| Flammable/Explosive limits - lower:      | Not available.                                  |
| Flammable/Explosive limits - upper:      | Not available.                                  |
| Autoignition temperature:                | Not determined                                  |
| Flammability:                            | Not applicable                                  |
| Evaporation rate:                        | Not applicable                                  |
| Solubility in water:                     | Not available.                                  |
| Partition coefficient (n-octanol/water): | Not applicable                                  |
| VOC content:                             | 53 g/l  |
| Viscosity:                               | Not available.                                  |
| Decomposition temperature:               | Not available.                                  |

## 10. STABILITY AND REACTIVITY

|                                   |  |
|-----------------------------------|--|
| Stability:                        | Stable under normal conditions of storage and use.   |
| Hazardous reactions:              | Contact with moisture, other materials that react with isocyanates, or temperatures above 350° F (177° C), may cause polymerization. |
| Hazardous decomposition products: | Oxides of carbon. Oxides of nitrogen. Irritating vapors. Hydrocarbons. Hydrogen cyanide. Isocyanate vapors                           |
| Incompatible materials:           | Water, Amines, Alkalis, Alcohols. Oxidizing agents. Copper.  |
| Reactivity:                       | Not available.   |
| Conditions to avoid:              | High temperatures. Heat, flames, sparks and other sources of ignition. Avoid contact with water.                                     |

## 11. TOXICOLOGICAL INFORMATION

|                              |                                   |
|------------------------------|-----------------------------------|
| Relevant routes of exposure: | Skin, Inhalation, Eyes, Ingestion |
|------------------------------|-----------------------------------|

## Potential Health Effects/Symptoms

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | This product is harmful or fatal by inhalation. May cause respiratory tract irritation. May cause allergic respiratory reaction. Persons with preexisting, nonspecific bronchial hyper-reactivity can respond to concentrations below the TLV with similar symptoms as well as lead to bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). These symptoms, which can include chest tightness, wheezing, cough, shortness of breath or asthma attack, could be immediate or delayed (up to several hours after exposure). Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Over exposure to isocyanates has also been reported to cause lung damage (including decrease in lung function) which may be permanent. |
| <b>Skin contact:</b> | Causes skin irritation. May cause allergic skin reaction. Isocyanates react with skin protein and moisture and can cause irritation which may include the following symptoms: reddening, swelling, rash, scaling or blistering.  |
| <b>Eye contact:</b>  | Causes serious eye irritation. Liquid, aerosols or vapor are irritating and can cause tearing, reddening and swelling. May cause corneal injury. Damage however is usually reversible.   |
| <b>Ingestion:</b>    | May cause gastrointestinal tract irritation if swallowed.  |

| Hazardous Component(s)   | LD50s and LC50s  | Immediate and Delayed Health Effects   |
|--|--|--|
| Castor oil, oligomeric reaction products with toluene diisocyanate | None   | No Records   |
| Silica, amorphous, fumed, crystal-free                             | None   | Nuisance dust  |
| Toluene diisocyanate   | Oral LD50 (Rat) = 3,060 mg/kg<br>Oral LD50 (Mouse) = 1,950 mg/kg | Allergen, Bone Marrow, Corrosive, Eyes, Irritant, Mutagen, Respiratory, Some evidence of carcinogenicity |
| Coumarin, 7-(diethylamino)-4-methyl-                               | None   | No Target Organs   |

| Hazardous Component(s)   | NTP Carcinogen                                   | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|--|-----------------|--|
| Castor oil, oligomeric reaction products with toluene diisocyanate | No   | No              | No                                       |
| Silica, amorphous, fumed, crystal-free                             | No   | No              | No                                       |
| Toluene diisocyanate   | Reasonably Anticipated to be a Human Carcinogen. | Group 2B        | No                                       |
| Coumarin, 7-(diethylamino)-4-methyl-                               | No   | No              | No                                       |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**Hazardous waste number:** Not a RCRA hazardous waste.

## 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:** RQ, Environmentally hazardous substance, solid, n.o.s.  
**Hazard class or division:** 9  
**Identification number:** UN 3077  
**Packing group:** III  
**DOT Hazardous Substance(s):** Toluene diisocyanate, Toluene diisocyanate

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** RQ, Environmentally hazardous substance, solid, n.o.s.  
**Hazard class or division:** 9  
**Identification number:** UN 3077  
**Packing group:** III

**Water Transportation (IMO/IMDG)**

**Proper shipping name:**  
**Hazard class or division:**  
**Identification number:**  
**Packing group:**

RQ, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
9  
UN 3077  
III

## 15. REGULATORY INFORMATION

### United States Regulatory Information

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

**TSCA 12 (b) Export Notification:** Toluene diisocyanate (CAS# 26471-62-5).

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health  
**CERCLA/SARA Section 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 diisocyanate (CAS# 26471-62-5).

**CERCLA Reportable quantity:** Toluene diisocyanate (CAS# 26471-62-5) 100 lbs. (45.4 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.

## 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 16

**Prepared by:** Product Safety and Regulatory Affairs

**Issue date:** 06/03/2020

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