

View Section : [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** LOCTITE QUICKTITE INSTANT ADHESIVE GEL  
**ISSUED:** 05/07/2009  
**REVISION NUMBER:** 004.2  
**MSDS Manufacturer Number:** 680522  
**Web Site:** www.henkelna.com  
**EMERGENCY PHONE:** 860.571.5100  
**PHONE INFO:** 860.571.5100  
**Item number:** 39202  
**Region:** United States  
**ADDRESS:** Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067  
**Product Information:** Cyanoacrylate  
**TRADE NAME:** LOCTITE® QUICKTITE® INSTANT ADHESIVE GEL

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS#	Ingredient Percent
Ethyl 2-cyanoacrylate	7085-85-0	60 - 100 by Weight
Treated fumed silica	67762-90-7	5 - 10 by Weight

## SECTION 3 - HAZARDS IDENTIFICATION

**PHYSICAL STATE:** Gel  
**COLOR:** Clear  
**ODOR:** Irritating  
**ROUTES OF ENTRY:** Skin, Inhalation, Eyes  
**EMERGENCY OVERVIEW:** WARNING: BONDS SKIN IN SECONDS. MAY CAUSE EYE AND RESPIRATORY TRACT IRRITATION. COMBUSTIBLE LIQUID AND VAPOR.  
**EYE CONTACT:** Irritating to eyes. Causes excessive tearing. Eyelids may bond.  
**INGESTION:** Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow.  
**INHALATION:** Exposure to vapors above the established exposure limit results in respiratory irritation, which may lead to difficulty in breathing and tightness in the chest.  
**Hazards Comments:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). See Section 11 for additional toxicological information.  
**AGGRAVATION OF CONDITIONS:** Eye, skin, and respiratory disorders.  
**SKIN CONTACT:** Bonds skin in seconds. May cause skin irritation. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare. Cyanoacrylates generate heat on solidification. In rare circumstances a large drop will burn the skin. Cured adhesive does not present a health hazard even if bonded to the skin.

## SECTION 4 - FIRST AID MEASURES

**NOTE TO PHYSICIANS:** Surgery is not necessary to separate accidentally bonded tissues. Experience has shown that bonded tissues are best treated by passive, non-surgical first aid. If rapid curing has caused thermal burns they should be treated symptomatically after adhesive is removed.  
**INGESTION:** Ensure breathing passages are not obstructed. The product will polymerize rapidly and bond to the mouth making it almost impossible to swallow. Saliva will separate any solidified product in several hours. Prevent the patient from swallowing any separated mass.  
**EYE CONTACT:** Immediately flush with plenty of water for at least 15 minutes. Get medical attention. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad. Do not force eye open. Cyanoacrylate will bond to eye protein and will cause a lachrymatory effect which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped behind the eyelid caused abrasive damage.  
**SKIN CONTACT:** Do not pull bonded skin apart. Soak in warm soapy water. Gently peel apart using a blunt instrument. If skin is burned due to the rapid generation of heat by a large drop, seek medical attention. If lips are bonded, apply warm water to the lips and encourage wetting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips apart with direct opposing force.  
**INHALATION:** Move to fresh air. If symptoms persist, seek medical advice.

## SECTION 5 - FIRE FIGHTING MEASURES

**HAZARDOUS COMBUSTION PRODUCTS:** Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode.  
**EXTINGUISHING MEDIA:** Foam. Carbon dioxide. Dry powder.  
**FLAMMABLE LIMITS - UEL:** Not determined  
**FLAMMABLE LIMITS - LEL:** Not determined  
**AUTOIGNITION:** 485 deg C (905 deg F)

**TEMPERATURE:**  
**FLASH POINT:** 80 - 93.4 deg C (176 deg F - 200.12 deg F) Tagliabue closed cup

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

**SPILL CLEAN UP MEASURES:** Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.

**ENVIRONMENTAL DATA:** Ventilate area. Do not allow product to enter sewer or waterways.

#### SECTION 7 - HANDLING and STORAGE

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

**STORAGE:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

**HANDLING:** Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Avoid contact with fabric or paper goods. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors, and cause thermal burns.

#### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

**ENGINEERING CONTROLS:** Use positive down-draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

**RESPIRATORY PROTECTION:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**SKIN PROTECTION:** Use nitrile gloves and aprons as necessary to prevent contact. Do not use PVC, nylon or cotton.

**EYE PROTECTION:** Safety goggles or safety glasses with side shields.

**Ingredient Guideline Notes:** 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.

**Ingredient:** Ethyl 2-cyanoacrylate

**ACGIH TLV - TWA:** 0.2 ppm TWA

**OSHA PEL (TWA):** None

**AIHA WEEL:** None

**OTHER:** None

**Ingredient:** Treated fumed silica

**ACGIH TLV - TWA:** 10 mg/m<sup>3</sup> TWA Inhalable dust. 3 mg/m<sup>3</sup> TWA Respirable fraction.

**OSHA PEL (TWA):** 15 mg/m<sup>3</sup> TWA Total dust. 5 mg/m<sup>3</sup> TWA Respirable fraction.

**AIHA WEEL:** None

**OTHER:** None

#### SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

**PHYSICAL STATE:** Gel

**COLOR:** Clear

**ODOR:** Irritating

**VAPOR PRESSURE:** < 0.2 mm hg

**pH:** Not applicable

**BOILING POINT:** > 300 deg F (> 148.9 deg C) none

**MELTING POINT:** Not determined

**SPECIFIC GRAVITY:** 1.05

**VAPOR DENSITY:** 3 Approximately

**EVAPORATION RATE:** Not available

**SOLUBILITY IN WATER:** Miscible Solubility in water: Polymerises in presence of water.

**Kow - Oct/Water partition coef:** Not applicable

**VOLATILE ORGANIC COMPOUNDS:** < 2 %; < 20 g/l (California SCAQMD Method 316B) (Estimated)

**ODOR THRESHOLD:** 1 - 2 ppm

**Flash Point:** 80 - 93.4 deg C (176 deg F - 200.12 deg F) Tagliabue closed cup

**Flammable Limits - LEL:** Not determined

**Flammable Limits - UEL:** Not determined

**Autoignition temperature:** 485 deg C (905 deg F)

#### SECTION 10 - STABILITY and REACTIVITY

**DANGEROUS REACTIONS:** Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.

**STABILITY:** Stable under recommended storage conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**INCOMPATIBLE MATERIALS:** Water, amines, alkalis and alcohols.

**CONDITIONS TO AVOID:** Spontaneous polymerization.

#### SECTION 11 - TOXICOLOGICAL INFORMATION

**Chemical Name:** Treated fumed silica

**Health Effects/Target Organs:** Irritant

**Chemical Name:** Ethyl 2-cyanoacrylate

**Health Effects/Target Organs:** Irritant, Allergen, Respiratory

**Chemical Name:** Treated fumed silica

**NTP:** No

**IARC:** No

**OSHA:** No

<b>NTP:</b>	No
<b>IARC:</b>	No
<b>OSHA:</b>	No
<b>Chemical Name:</b>	Ethyl 2-cyanoacrylate
<b>SKIN CONTACT:</b>	LD50 (rabbit) > 2,000 mg/kg (Estimated)
<b>INGESTION:</b>	LD50 (rat) > 5,000 mg/kg (Estimated)

## SECTION 12 - ECOLOGICAL INFORMATION

<b>ECOTOXICOLOGICAL INFORMATION:</b>	Not known.
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## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>EPA Hazardous Waste Number (RCRA):</b>	Not a RCRA hazardous waste.
<b>Disposal Notes:</b>	Information provided is for unused product only.
<b>WASTE DISPOSAL:</b>	Follow all local, state, federal and provincial regulations for disposal.

## SECTION 14 - TRANSPORT INFORMATION

<b>IMDG Packing group:</b>	None
<b>IMDG Class:</b>	None
<b>IMDG UN Number:</b>	None
<b>IMDG Proper shipping name:</b>	Not regulated
<b>IATA Exceptions:</b>	Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.
<b>IATA Packing group:</b>	None
<b>IATA Class:</b>	9
<b>IATA UN Number:</b>	UN 3334
<b>IATA Proper shipping name:</b>	Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)
<b>DOT Exceptions:</b>	Unrestricted, (Not more than 450 Liters)
<b>DOT Packing group:</b>	III
<b>DOT Identification number:</b>	NA 1993
<b>DOT Hazard class:</b>	Combustible Liquid
<b>DOT Proper shipping name:</b>	Combustible liquid, n.o.s. (Cyanoacrylate ester)

## SECTION 15 - REGULATORY INFORMATION

<b>WHMIS:</b>	B.3, D.2.B
<b>DSL/NDSL:</b>	Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.
<b>SECTION 313:</b>	None above reporting de minimus
<b>California Proposition 65:</b>	No California Proposition 65 listed chemicals are known to be present.
<b>311/312 Hazard Categories:</b>	Immediate Health, Delayed Health, Fire, Reactive
<b>SECTION 302 EHS:</b>	None above reporting de minimus
<b>TSCA EXPORT NOTIFICATION:</b>	None above reporting de minimus
<b>TSCA INVENTORY STATUS:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

## SECTION 16 - ADDITIONAL INFORMATION

<b>HMIS - REACTIVITY:</b>	1
<b>HMIS - PERSONAL PROTECTION:</b>	See MSDS Section 8
<b>HMIS - HEALTH:</b>	2
<b>HMIS - FLAMMABILITY:</b>	2
<b>COMMENTS:</b>	This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format. 3
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