



Safety Data Sheet



Revision Number: 002.1

Issue date: 08/25/2021

1. PRODUCT AND COMPANY IDENTIFICATION

 Product name:
 LOCT

 Product type/use:
 Adhes

 Restriction of Use:
 None i

 Company address:
 Henkel Corporation

 One Henkel Way
 Rocky Hill, Connecticut 06067

LOCTITE 401 Adhesive None identified

IDH number:135429Item number:40140Region:United StatesContact information:Telephone: +1 (860) 571-5100MEDICAL EMERGENCYPhone: Poison Control Center1-877-671-4608 (toll free) or 1-303-592-1711TRANSPORT EMERGENCYPhone: CHEMTREC1-800-424-9300 (toll free) or 1-703-527-3887Internet: w ww.henkelna.com

2. HAZARDS IDENTIFICATION

- EMERGENCY OVERVIEW
- WARNING:

BONDS SKIN IN SECONDS. COMBUSTIBLE LIQUID. CAUSES EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	4
EYE IRRITATION	2B
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

PICTOGRAM(S)	
•••	

Precautionary Statements

Prevention:	
	Keep aw ay fromheat, sparks, open flames, hot surfaces - no smoking. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Use only outdoors or in a w ell- ventilated area. Wear protective gloves, eye protection, and face protection.
Response:	
	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unw ell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
Storage:	2
-	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.

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)	CASNumber	Percentage*
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7085-85-0

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

4. FIRST AID MEASURES		
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.	
Skin contact:	Do not pull bonded skin apart. Soak in w armsoapy 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 w arm water to the lips and encourage w etting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips apart w ith direct opposing force.	
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. Get medical attention. If eyelids are bonded closed, release eyelashes with warmwater 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.	
Ingestion:	Ensure breathing passages are not obstructed. The product will polymerize rapidly and bond to the mouth making it almost impossible to sw allow. Saliva will separate any solidified product in several hours. Prevent the patient from sw allowing any separated mass.	
Symptoms:	See Section 11.	
Notes to physician:	Surgery is not necessary to separate accidentally bonded tissues. Experience has show n that bonded tissues are best treated by passive, non-surgical first aid. If rapid curing has caused thermal bums they should be treated symptomatically after adhesive is removed.	
5. FIRE FIGHTING MEASURES		

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode.
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions:	Ventilate area. Do not allow product to enter sew er or waterways.
Clean-up methods:	Do not use cloths for mopping up. Flood with w ater to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous w aste. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

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7. HANDLING AND STORAGE

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 w hich can generate smoke and strong irritating vapors, and cause thermal burns.

Storage:

Not available.

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
Ethyl 2-cyanoacrylate	1 ppm STEL 0.2 ppm TWA (Respiratory sensitization) (Dermal sensitization)	None	None	None
Engineering controls:			st ventilation if general ve below established expo	
Respiratory protection:	Use NIC limit(s).	OSH approved respirato	r if there is potential to e	xceed exposure
Eye/face protection:			es with side shields. Full f shing or spraying of prod	
Skin protection:		ile gloves and aprons as	s necessary to prevent c	ontact. Do not use

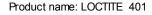
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Color: Odor: Odor threshold: pH: Vapor pressure:
Boiling point/range:
Melting point/ range:
Specific gravity:
Vapor density:
Flash point:
Flammable/Explosive limits - low er:
Flammable/Explosive limits - upper:
Autoignition temperature:
Flam m ability:
Evaporation rate:
Solubility in water:
Solubility in water:
Solubility in water:
Partition coefficient (n-octanol/water): VOC content:
Viscosity:
Viscosity:
Decomposition temperature:

Liquid colourless to yellow ish Sharp Not available. Not available. < 700 mbar (50 °C (122°F)) > 149 °C (> 300.2 °F) Not available. 1.1 Not available. 80 - 93 °C (176°F - 199.4 °F) Not available. Not available. Not available. Not applicable Not available. Polymerises in presence of water. Insoluble Soluble Not available. < 2 %; < 20 g/l (California SCAQMD Method 316B) (Estimated) 100.0 - 120.0 mPa.s 70.0 - 110.0 mPa.s Not available.

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	10. STABILITY AND REACTIVITY
Stability:	Stable under recommended storage conditions.
Hazardous reactions:	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
Hazardous decomposition products:	None
Incompatible materials:	Water, amines, alkalis and alcohols.
Reactivity:	Not available.
Conditions to avoid:	Spontaneous polymerization.
11. TOXICOLOGICAL INFORMATION	

Skin, Inhalation, Eyes

Relevant routes of exposure:

Potential Health Effects/Symptoms			
Inhalation:	May cause respiratory tract irritation. Exposure to vapors above the established exposure limit results in respiratory irritation, w hich may lead to difficulty in breathing and tightness in the chest.		
Skin contact:	May cause skin irritation. Bonds skin in seconds. 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.		
Eye contact: Ingestion:	Irritating to eyes. Causes excessive tearing. Eyelids may bond. Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to sw allow.		

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects	
Ethyl 2-cyanoacrylate	None	Irritant, Allergen, Respiratory	

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethyl 2-cyanoacrylate	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information:

Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:

Identification number: Packing group:

Follow all local, state, federal and provincial regulations for disposal.

14. TRANSPORT INFORMATION

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

U.S. Department of Transportation Ground (4	49 CFR)
Propershipping name:	Combustible liquid, n.o.s. (Cyanoacrylate ester)
Hazard class or division:	Combustible Liquid
Identification number:	NA 1993
Packing group:	III
International Air Transportation (ICAO/IATA)	
Propershipping name:	Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)
Hazard class or division:	9

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UN 3334

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Exceptions:

Exceptions:

Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted. Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.

Water Transportation (IMO/IMDG)

Proper shipping name: Hazard class or division: Identification number: Packing group: Not regulated None None None

15. REGULATORY INFORMATION

United States Regulatory Information

Cana

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:	None above reporting de minimis	
CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313:	None above reporting de minimis. Reactive, Fire, Immediate Health, Delayed Health None above reporting de minimis.	
California Proposition 65:	This product contains a chemical know n to the State of California to cause birth defects or other reproductive harm.	
ada Regulatory Information		
CEPA DSL/NDSL Status:	SL Status: 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.	

16. OTHER INFORMATION

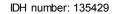
This safety data sheet contains changes from the previous version in sections: 9

Prepared by: Product Safety and Regulatory Affairs

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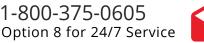
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