229810



Revision Number: 003.3

PRODUCT AND COMPANY IDENTIFICATION

Product name:

Product type/use: Restriction of Use: Company address: Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067

LOCTITE® 4601™ INSTANT **ADHESIVE PRISM® MEDICAL DEVICE** ADHESIVE Cyanoacrylate None identified

1.

Item number:	18692
Region:	United States
Contact informatio	n:
Telephone: +1 (860)	571-5100
MEDICAL EMERGE	NCY Phone: Poison Control Center
1-877-671-4608 (tol	free) or 1-303-592-1711
TRANSPORT EMEI	RGENCY Phone: CHEMTREC
1-800-424-9300 (tol	free) or 1-703-527-3887
Internet: www.henke	elna.com

IDH number:

2. **HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW		
WARNING:	BONDS SKIN IN SECONDS.	
	COMBUSTIBLE LIQUID.	
	CAUSES EYE IRRITATION.	

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	4
EYE IRRITATION	2B

PICTOGRAM(S)
None

Precautionary Statements

Prevention:	
	Keep away from heat, sparks, open flames, hot surfaces - no smoking. Wash affected area thoroughly after handling. Wear protective gloves, eye protection, and face protection.
Response:	
	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:	
	Store in a well-ventilated place. Keep cool.
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)	CAS Number	Percentage*

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

27816-23-5

Beta-Methoxyethyl Cyanoacrylate

80 - 100

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 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.	
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.	
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.	
Symptoms:	See Section 11.	
Notes to physician:	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.	
5. FIRE FIGHTING MEASURES		

5. FIRE FIGHTING MEASURES		
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.	
Special firefighting 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, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Ventilate area. Do not allow product to enter sewer or waterways.
Clean-up methods:	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. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

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 which can generate smoke and strong irritating vapors, and cause thermal burns.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

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
Beta-Methoxyethyl Cyanoacrylate	None	None	None	0.2 ppm TWA
Engineering controls:	Use positive down-draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.			
Respiratory protection:	Use NI limit(s).	DSH approved respirator	r if there is potential to e	xceed exposure
Eye/face protection:	Safety goggles or safety glasses with side shields. Full face protection s be used if the potential for splashing or spraying of product exists.			
Skin protection:		ile gloves and aprons as ylon or cotton.	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 - lower: Flammable/Explosive limits - upper: Autoignition temperature: Flammability: Evaporation rate:	Liquid Clear, Colorless, to, Straw Negligible Not available. Not applicable < 0.2 mm hg > 300 °F (> 148.9 °C) Not determined 1.1 Not available. 80 - 93 °C (176°F - 199.4 °F) Not determined Not determined Not determined Not determined Not determined Not applicable
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Evaporation rate:	Not available.
Solubility in water:	Polymerises in presence of water.
Partition coefficient (n-octanol/water):	Not applicable
VOC content:	< 2 %; < 20 g/l (California SCAQMD Method 316B) (Estimated)
Viscosity:	Not available.
Decomposition temperature:	Not available.

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

Relevant routes of exposure:

Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation:	May cause respiratory tract irritation. Exposure to vapors above the established exposure limit results in respiratory irritation, which 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 swallow.

Hazardous Component(s)	LD50s and LC50s		Immediate and Delayed Health Effects	
Beta-Methoxyethyl Cyanoacrylate	None Irritant, Allergen			
Hazardous Component(s)	NTP Carcinogen	IARC Ca	rcinogen	OSHA Carcinogen (Specifically Regulated)
Beta-Methoxyethyl Cyanoacrylate	No	Ν	0	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: Hazard class or division: Identification number: Packing group: Combustible liquid, n.o.s. (Cyanoacrylate ester) Combustible Liquid NA 1993

International Air Transportation (ICAO/IATA) Proper shipping name:

Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)

Hazard class or division: 9 Identification number: UN 333

UN 3334 III Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.

Water Transportation (IMO/IMDG)

Packing group:

Exceptions:

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

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:	None above reporting de minimis

IDH number: 229810

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CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313:	None above reporting de minimis. Reactive, Fire, Immediate Health 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). Beta-Methoxyethyl Cyanoacrylate (CAS# 27816-23-5).
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.
Canada Regulatory Information	
CEPA DSL/NDSL 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: 3,15

Prepared by:	Product Safety and Regulatory Affairs
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Issue date: 08/12/2020

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