



) Technologies

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OTHER

None

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name:406 PrisProduct type:CyanoadCompany address:EHenkel Loctite Corporation1001 Trout Brook CrossingRocky Hill, Connecticut 06067

406 Prism® Surface Insensitive Instant Adhesive Cyanoacrylate ration ssing

Item number:40640Region:United StatesContact Information:Telephone:860.571.5100Emergency telephone:860.571.5100Internet:www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components%ACGIH TLVOSHA PELEthyl cyanoacrylate60-1000.2 ppm TWANone7085-85-0

3. HAZARDS IDENTIFICATION

		EMERGENCY	OVERVIEW	
HMIS:				
Physical state: Color: Odor:	Liquid Clear Colorless to Stu Sharp, Irritating	raw	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: Personal Protection:	2 2 1 See Section 8
WARNING	MAY CAUS	(IN IN SECONDS. SE EYE AND RESPIRATO IBLE LIQUID AND VAPO		
Relevant routes of	exposure:	Skin, inhalation, eyes		
Potential Health Eff	ects_			
Inhalation:		Exposure to vapors above the et to difficulty in breathing and tight		s in respiratory irritation which may lead
Skin contact: Eye 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 even if bonded to the skin. Irritating to eyes. Causes excessive tearing. Eyelids may bond.		
Ingestion:		Not expected to be harmful by a almost impossible to swallow.	ngestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is
Existing conditions exposure:	aggravated by	Eye, skin, and respiratory disor	ders.	
		See Section 11 for additional	toxicological information.	

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If discomfort persists seek 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.
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
Flash point:	65°C (150°F) to 93.4°C (200°F) Tagliabue closed cup
Flash point: Autoignition temperature:	65°C (150°F) to 93.4°C (200°F) Tagliabue closed cup 485°C (905°F)
-	
Autoignition temperature:	485°C (905°F)
Autoignition temperature: Flammable/Explosive limits-lower %:	485°C (905°F) Not determined
Autoignition temperature: Flammable/Explosive limits-lower %: Flammable/Explosive limits-upper %:	485°C (905°F) Not determined Not determined
Autoignition temperature: Flammable/Explosive limits-lower %: Flammable/Explosive limits-upper %: Extinguishing media:	485°C (905°F) Not determined Not determined Dry powder. Foam. Carbon dioxide.
Autoignition temperature: Flammable/Explosive limits-lower %: Flammable/Explosive limits-upper %: Extinguishing media: Special fire fighting procedures:	485°C (905°F) Not determined Not determined Dry powder. Foam. Carbon dioxide. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).
Autoignition temperature: Flammable/Explosive limits-lower %: Flammable/Explosive limits-upper %: Extinguishing media: Special fire fighting procedures: Unusual fire or explosion hazards:	 485°C (905°F) Not determined Not determined Dry powder. Foam. Carbon dioxide. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA). None Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is
Autoignition temperature: Flammable/Explosive limits-lower %: Flammable/Explosive limits-upper %: Extinguishing media: Special fire fighting procedures: Unusual fire or explosion hazards:	485°C (905°F) Not determined Not determined Dry powder. Foam. Carbon dioxide. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA). None Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing 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.
Incompatible products:	No special restrictions on storage with other products.

For information on product shelf life contact Henkel Loctite Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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/face protection:	Chemical splash goggles or safety glasses with side shields.	
See Section 2 for exposure limits.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Clear Colorless to Straw
Odor:	Sharp, Irritating
Vapor pressure:	Less than 0.2 mm Hg
pH:	Not applicable
Boiling point/range:	Greater than 149°C (300°F)
Melting point/range:	Not determined
Specific gravity:	1.05 at 23.9°C (75°F)
Vapor density:	Approximately 3
Evaporation rate:	Not available
Solubility in water:	Polymerizes in presence of water
Partition coefficient (n-octanol/water):	Not applicable
VOC content:	81.6%; 857 grams/liter (EPA Method 24) Less than 20 g/L (California SCAQMD Method 316B) (estimated)

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.	
Hazardous polymerization:	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.	
Hazardous decomposition products:	None	
Incompatability:	Water, amines, alkalis and alcohols.	
Conditions to avoid:	Spontaneous polymerization	
11. TOXICOLOGICAL INFORMATION		

Product toxicity data:

Acute oral LD50 >5000mg/kg (rat)(estimated). Acute dermal LD50 >2000mg/kg (rabbit)(estimated).

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Ethyl cyanoacrylate	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Ethyl cyanoacrylate	Allergen, Irritant, Respiratory

12. ECOLOGICAL INFORMATION

Ecological information:

Not known

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Dispose of in accordance with Federal, State and local regulations.

Recommended method of disposal:

EPA hazardous waste number:

Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Grou Proper shipping name: Hazard class or division: Identification number: Packing group: <i>Exceptions:</i> Marine pollutant:	und (49 CFR): Combustible liquids, n.o.s. (Cyanoacrylate ester) 3 NA 1993 None (Not more than 450 Liters) Unrestricted None
International Air Transportation (ICAO/I	ΔΤΔ).
Proper shipping name: Hazard class or division: Identification number: Packing group: <i>Exceptions:</i>	Araj. Aviation regulated liquids, n.o.s (Cyanoacrylate ester) 9 UN 3334 III (Not more than 500ml) Unrestricted
<u>WaterTransportation (IMO/IMDG):</u> Proper shipping name: Hazard class or division: Identification number: Packing group: Marine pollutant:	Unrestricted None None None None

United States Regulatory Information

16. OTHER INFORMATION		
CEPA DSL/NDSL Status: WHMIS hazard class:	All components are listed on or are exempt from listing on the Domestic Substances List. B.3, D.2.B	
Canada Regulatory Information		
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.	
CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA 313:	None. Immediate Health Hazard, Delayed Health Hazard, Fire, Reactive 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). None.	
TSCA 8 (b) Inventory Status: TSCA 5 (a) (2) SNUR: TSCA 12 (b) Export Notification:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. None. None.	

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by:

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