Material Safety Data Sheet



Revision Number: 002.2



1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

Product type:

Company address: Henkel Corporation

Rocky Hill, Connecticut 06067

One Henkel Way

414 SUPER BONDER® PLASTIC & VINYL t Adhesive INSTANT ADHESIVE Cyanoacrylate IDH number:

233801

Item number:41450Region:United StatesContact information:Telephone:860.571.5100MEDICAL EMERGENCY Phone:Poison Control Center1-877-671-4608 (toll free) or 1-303-592-1711TRANSPORT EMERGENCY Phone:CHEMTREC1-800-424-9300 (toll free) or 1-703-527-3887

Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

		EMERGENCY OVERVIEW		
Physical state: Color: Odor:	Liquid Colorless Irritating	<u>HMIS:</u> HEALTH: FLAMMABILITY: PHYSICAL HAZARD:	2 2 1	
WARNING:		Personal Protection: MBUSTIBLE LIQUID AND VAPOR. NDS SKIN IN SECONDS.	See MSDS Section 8	
		Y CAUSE EYE AND RESPIRATORY TRACT IRR	RITATION.	
Relevant routes of exposu	ıre:	Skin, Inhalation, Eyes		
Potential Health Effects				
Inhalation:		Exposure to vapors above the established exposure limit rest may lead to difficulty in breathing and tightness in the chest.	ults in respiratory irritation, which	
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.		
Eye contact: Ingestion:		Irritating to eyes. Causes excessive tearing. Eyelids may bon Not expected to be harmful by ingestion. Rapidly polymerizes is almost impossible to swallow.	d.	
Existing conditions aggra exposure:	vated by	Eye, skin, and respiratory disorders.		
		This material is considered hazardous by the OSHA Hazard (1910.1200).	Communication Standard (29 CFR	

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Ethyl 2-cyanoacrylate	7085-85-0	60 - 100
Methyl methacrylate polymer	9011-14-7	5 - 10

4.	FIRST AID MEASURES
Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
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 hea 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 b 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 polymerize 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. Experien has shown that bonded tissues are best treated by passive, non-surgical firs aid. If rapid curing has caused thermal burns they should be treated symptomatically after adhesive is removed.
5. F	IRE FIGHTING MEASURES
Flash point:	80 - 93.3 °C (176°F - 199.94 °F)
Autoignition temperature:	485 °C (905°F)
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
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.
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.

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.

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

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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Ethyl 2-cyanoacrylate	0.2 ppm TWA	None	None	None
Methyl methacrylate polymer	None	None	None	None
Engineering controls:			ntilation if general ventil w established exposur	
Respiratory protection:	Use an organic vapor respirator for concentrations exceeding the Occupational Exposure Limit.			
Eye/face protection:	Safety goggles	or safety glasses wit	h side shields.	
Skin protection:	Use nitrile glove PVC, nylon or	•	cessary to prevent cont	act. 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: Evaporation rate: Solubility in water: Partition coefficient (n-octanol/water): **VOC content:**

Liquid Colorless Irritating 1 - 2 ppm Not applicable < 0.5 mm hg (25 °F (-3.9 °C)) > 149 °C (> 300.2 °F) Not determined 1.06 at 68 °F (20°C) Not available. 80 - 93.3 °C (176°F - 199.94 °F) Not determined Not determined 485 °C (905°F) Not available. Polymerises in presence of water. Not determined < 2 %; < 20 g/l (California SCAQMD Method 316B) (Estimated)

Stability: Hazardous reactions:		REACTIVITY			
Hazardous reactions:	Stable under re	ecommended storage conditions.			
		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.			
Conditions to avoid:	Spontaneous p	oolymerization.			
11	. TOXICOLOGICAL	INFORMATION			
Acute oral product toxicity:	LD50 (rat) > 5	,000 mg/kg			
Acute dermal product toxicity:	LD50 (rabbit)	> 2,000 mg/kg			
Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen		
	Wir Gareinogen		(Specifically Regulated)		
Ethyl 2-cyanoacrylate	No	No	No		
lethyl methacrylate polymer	No	No	No		
lazardous components		Health Effects/Target	Organs		
Ethyl 2-cyanoacrylate		Irritant, Allergen, Resp	biratory		
lethyl methacrylate polymer		Irritant			
•	12. ECOLOGICAL IN	FORMATION			
Ecological information:	Not available.				
1	3. DISPOSAL CON	SIDERATIONS			
Inf	ormation provided is for ur	used product only.			
Recommended method of disposal:	Follow all local	, state, federal and provincial reg	ulations for disposal.		
Hazardous waste number:	Not a RCRA h	Not a RCRA hazardous waste.			
	14. TRANSPORT IN	FORMATION			
U.S. Department of Transportation G	ound (49 CFR)				
Proper shipping name:		n.o.s. (Cyanoacrylate ester)			
Hazard class or division: Identification number:	Combustible Liquid NA 1993	Combustible Liquid			
Packing group:					
Exceptions: (Not more than 450 Liters), Unrestricted					
International Air Transportation (ICA		Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)			
Proper shipping name:	5		-		
	9				
Proper shipping name: Hazard class or division: Identification number: Packing group:	9 UN 3334 None				
Proper shipping name: Hazard class or division: Identification number:	9 UN 3334 None Primary packs conta	aining less than 500ml are unreg e shipped unrestricted.	ulated by this mode of		
Proper shipping name: Hazard class or division: Identification number: Packing group:	9 UN 3334 None Primary packs conta		ulated by this mode of		
Proper shipping name: Hazard class or division: Identification number: Packing group: Exceptions: <u>Water Transportation (IMO/IMDG)</u> Proper shipping name:	9 UN 3334 None Primary packs conta transport and may b Not regulated		ulated by this mode of		
Proper shipping name: Hazard class or division: Identification number: Packing group: Exceptions: Water Transportation (IMO/IMDG)	9 UN 3334 None Primary packs conta transport and may b		ulated by this mode of		

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.	
TSCA 12(b) Export Notification:	None above reporting de minimus	
CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA 313:	None above reporting de minimus Immediate Health, Delayed Health, Fire, Reactive None above reporting de minimus	
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.	
WHMIS hazard class:	B.3, D.2.B	
16. OTHER INFORMATION		

This material safety data sheet contains changes from the previous version in sections: Updated Contact Information in Section 1.

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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