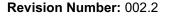
Material Safety Data Sheet







1. PRODUCT AND COMPANY IDENTIFICATION

IDH number:

Product name: Product type: 409 Super Bonder® Industrial Grade Gel Instant Adhesive Cyanoacrylate

Company address: Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067 Item number:40904Region:United StatesContact information:Telephone:860.571.510MEDICAL EMERGENCY Phone:Poison Control Center1-877-671-4608 (toll free) or1-303-592-1711TRANSPORT EMERGENCY Phone:CHEMTREC1-800-424-9300 (toll free) or1-703-527-3887Internet:www.henkelna.com

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2. HAZARDS IDENTIFICATION

	EMERGENC		
	id ar, colourless arp, irritating	HMIS: HEALTH: FLAMMABILITY: PHYSICAL HAZARD: Personal Protection:	2 2 1 See MSDS Section 8
WARNING:	COMBUSTIBLE LIQU MAY CAUSE EYE AN BONDS SKIN IN SEC	ID AND VAPOR. D RESPIRATORY TRACT IRI	
Relevant routes of exposure:	Skin, Inhalation, Eyes		
Potential Health Effects			
Inhalation:		pove the established exposure limit re- n breathing and tightness in the chest.	
Skin contact:	Bonds skin in seconds allergic reaction but d Cyanoacrylates gener skin. Cured adhesive	s. May cause skin irritation. Cyanoac ue to rapid polymerization at the skin s ate heat on solidification. In rare circuid does not present a health hazard ever	rylates have been reported to cause surface, an allergic response is rare. mstances a large drop will burn the n if bonded to the skin.
Eye contact: Ingestion:		ses excessive tearing. Eyelids may bo rmful by ingestion. Rapidly polymerize o swallow.	
Existing conditions aggravated exposure:	by Eye, skin, and respira	tory disorders.	
	This material is consid 1910.1200).	lered hazardous by the OSHA Hazard	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
Treated fumed silica	67762-90-7	5 - 10
Thickener	Proprietary	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 apar using a blunt instrument. If skin is burned due to the rapid generation of her by a large drop, seek medical attention. If lips are bonded, apply warm wate to the lips and encourage wetting and pressure from saliva in mouth. Peel o 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 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 th adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical attention should be sought in case solid particles of polymeriz 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. Saliv 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 fir 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) Tagliabue closed cup
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:	Fire fighters should wear positive pressure self-contained breathing appara (SCBA).
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Trace amounts of toxic and/or irritating fumes may be released and the use 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
Treated fumed silica	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction.	None	None
Thickener	None	None	None	None
Engineering controls:	•	own-draft exhaust vent oor concentration belov	U U	
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).			
Eye/face protection:	Safety goggles	Safety goggles or safety glasses with side shields.		
Skin protection:	Use nitrile glov PVC, nylon or	ves and aprons as nece cotton.	essary to prevent cont	act. Do not use

9. PHYSICAL AND CHEMICAL PROPERTIES

liquid

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:

Clear, colourless Sharp, irritating 1 - 2 ppm Not applicable < 0.5 mm hg (77 °F (25°C)) > 300 °F (> 148.9 °C) Not determined 1.1 at 68 °F (20°C) 3 Approximately 80 - 93.3 °C (176°F - 199.94 °F) Tagliabue closed cup 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)

10. STABILITY AND REACTIVITY				
Stability:		Stable under re	commended storage conditions.	
Hazardous reactions:		Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.		
Hazardous decomposition product	s:	None		
Incompatible materials:		Water, amines,	alkalis and alcohols.	
Conditions to avoid:		Spontaneous p	olymerization.	
11. TOXICOLOGICAL INFORMATION				
Acute oral product toxicity:		LD50 (rat) > 5,	000 mg/kg (Estimated)	
Acute dermal product toxicity:				
Hazardous components	NTP Car	cinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethyl 2-cyanoacrylate	N	0	No	No
Treated fumed silica	N	-	No	No
Thickener	N	0	No	No
Hazardous components			Health Effects/Target	Organs
Ethyl 2-cyanoacrylate		Irritant, Allergen, Respiratory		
Treated fumed silica		Irritant		
Thickener			Irritant	
	12. ECOL	OGICAL IN	IFORMATION	
Ecological information:	Ecological information: Not known.			
	13. DISPO	SAL CONS	BIDERATIONS	
I	nformation pro	vided is for un	used 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. TRAN	ISPORT IN	FORMATION	
IIS Department of Transportation	Ground (49 CE	5)		
U.S. Department of Transportation Ground (49 CFR) Proper shipping 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)Proper shipping name:Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)Hazard class or division:9Identification number:UN 3334Packing group:IIIExceptions:Primary packs containing less than 500ml are unregulated by this mode or 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			
TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act		
TSCA 12(b) Export Notification:	Inventory. None above reporting de minimus		
CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA 313:	None above reporting de minimis Reactive, Fire, Immediate Health, Delayed Health None above reporting de minimis		
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.		
Canada Regulatory Information			
CEPA DSL/NDSL 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. B.3, D.2.B		
	0.0, 0.2.0		

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date.

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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