



HIGH TECH PRODUCTS, INC.

2376 E. Pacifica Place Rancho Dominguez, CA 90220 (800) 675-1118 www.alliedhightech.com

MATERIAL/CHEMICAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION					SECTION 3: HAZARDS IDENTIFICATION		
Product Details Product Name: Loc-Tite 460 Adhesive Allied Item No.: 71-40045 Chemical Name: Cyanoacrylate Ester					Hazard Statement: Combustible liquid and vapor. Bonds skin in seconds. May cause eye and respiratory tract irritation.		
Company Identification Allied High Tech Products, Inc. 2376 East Pacifica Place Rancho Dominguez, CA 90220 (310) 635-2466 Contact Point Transportation for United States Chemtrec (800) 424-9300 * (202) 483-7616					SECTION 4: FIRST AID MEASURES		
					Potential Health Effects		First Aid/ Medical Info.
					Eye Contact:	Vapor is irritating to eyes above TLV. Causes excessive tearing. Can bond eyelids together, see note below.	Immediately flush with water for 15 minutes and seek medical attention. If eyelids are bonded closed, place cover with a wet pad - do not force them open.
					Skin Contact:	Bonds skin in seconds. May cause irritation. Can cause allergic reaction (this is rare). Generates heat - a large drop will burn the skin.	Soak in warm soapy water and gently peel apart with a blunt instrument. If skin is burned from a large drop - seek medical attention. If lips are bonded, apply warm water and use saliva to help peel and roll lips apart.
SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT							
Chemical Name	CAS No.	Exposure Limits in Air ACGIH TLV or TWA	Carcin. OSHA PEL	Y/N			
Beta-Methoxyethyl Cyanocrylate Ester 60-100%	27816-23-5	0.2 ppm/ TWA	NA	N	Inhalation:	Exposure to vapors above the established limits results in respiratory irritation, which may lead to difficulty breathing and tightness in the chest.	Remove to fresh air, seek medical attention if symptoms persist.
Thickener 1-5%	Proprietary	NA	NA	N	Ingestion:	Ingestion not likely, as adhesive will adhere in mouth.	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. DO NOT swallow any separated mass.
					Note: Cyanocrylate will attach itself to the eye protein and will cause a lachrymatory effect which will help debond the adhesive. Keep eye covered until debonding is complete - usually 1-3 days. Seek medical attention in case solid particles are trapped behind the eyelid and cause abrasive damage.		
					SECTION 5: FIRE FIGHTING MEASURES		
					Extinguishing Media: Dry Powder, foam, Carbon Dioxide Fire Fighting Instruction: Wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus with full facepiece.		
					SECTION 6: ACCIDENTAL RELEASE MEASURES		
					Ventilate area - do not allow material to enter sewer or waterways. Do not use cloths for mopping up. Flood with water to polymerize and scrape off the floor. Cured material can be disposed of as non-hazardous waste.		
Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.				HMIS Ratings Health: 2 Flammability: 2 Reactivity: 1			
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SECTION 7: HANDLING & STORAGE	SECTION 12: ECOLOGICAL INFORMATION
<p>Handling: Avoid contact with skin, clothing and eyes. Avoid breathing vapor. Wash thoroughly after handling and avoid contact with fabric or paper goods. Contact with these materials can cause rapid polymerization which can generate smoke and strong irritating vapors and cause thermal burns.</p> <p>Storage: Keep in a cool, dry, well-ventilated area away from heat, sparks and open flame. Keep in tightly closed container.</p>	<p>NA</p>
SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION	SECTION 13: DISPOSAL INFORMATION
<p>Engineering Measures: General and/or local exhaust ventilation.</p> <p>Respiratory Protection: Use NIOSH approved respirator if levels are high.</p> <p>Protective Gloves: Nitrile gloves and apron. Do not use PVC, nylon or cotton.</p> <p>Eye Protection: Safety glasses with side shields or safety goggles.</p> <p>Other: Eye wash and shower facility should be available.</p>	<p>Dispose of waste material according to Federal, State and Local regulations. Not a RCRA hazardous waste</p>
SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	SECTION 14: TRANSPORT INFORMATION
<p>Appearance: Clear to straw colored liquid Odor: Negligible Solubility: Polymerized by water Boiling Point: >300°F (149°C) Melting Point: NA Flash Point: 176°F-199.4°F (80°C-93°C) Vapor Pressure: >0.02 mm Vapor Density: NA VOC: <2%; <20 g/l Evaporation Rate: NA Specific Gravity: 1.1 at 75.02°F (23.9°C) Flammable Limits LEL: NA Flammable Limits UEL: NA</p>	<p>DOT Shipping Name: Unrestricted (not more than 450 liters); combustible liquids, n.o.s. (Cyanoacrylate ester) (more than 450 liters) DOT Hazard Class: Unrestricted (not more than 450 liters); Combustible (more than 450 liters) DOT Id Number: None (not more than 450 liters); NA1993 (more than 450 liters) IATA Shipping Name/Class: Unrestricted (not more than one pint); Aviation regulated liquid, n.o.s. (Cyanoacrylate Ester) (more than one pint) IATA Class: Unrestricted (not more than one pint); Class 9 (more than one pint) IATA UN or Id Number: None (not more than one pint); UN 3334 (more than one pint)</p>
SECTION 10: STABILITY & REACTIVITY	SECTION 15: REGULATORY INFORMATION
<p>Conditions to Avoid/Incompatibles: Polymerized by contact with water, alcohols, amines and alkalies. Avoid contact with clothing, this may cause polymerization. Large amounts of adhesive will generate heat causing smoke, skin burns, and strong vapors.</p> <p>Decomposition Products: Irritating organic fragments.</p> <p>Hazardous Polymerization: Will not occur.</p>	<p>US Regulatory Information: TSCA 8: All components are listed or are exempt from listing on the toxic substances control act inventory. CERCLA/SARA Sect. 302 EHS: None above reporting de minimus CERCLA/SARA Sect. 311/312: Immediate Health, Delayed Health, Fire, Reactive CERCLA/SARA 313: The product contains the following toxic chemical Beta-Methoxyethyl Cyanoacrylate (CAS#27816-23-5) CA Proposition 65: No chemicals are known to be present.</p> <p>Canada Regulatory Information: WHMIS hazard class: B.3, D.2.B CEPA DSL/NDSL Status: Contains one component listed on the non-domestic substances list. May be imported in limited quantities.</p>
SECTION 11: TOXICOLOGICAL INFORMATION	SECTION 16: OTHER INFORMATION
<p>LD50 (rat) >5,000 mg/kg (estimated) LD50 (rabbit) >2,000 mg/kg (estimated)</p>	<p>Legend NAIF: No Applicable Information Found NA: Not Available/Applicable NE: None Established</p> <p>DISCLAIMER: The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. ALLIED HIGH TECH PRODUCTS, INC. makes no warranty, either express or implied, as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer/distributor shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.</p> <p>Form Prepared By: Allied High Tech Products, Inc. January 2013</p>