

Material Safety Data Sheet U. S. Department of Labor

May be used to comply with Occupational Safety and Health Administration
 OSHA's Hazard Communication Standard, (Non-Mandatory Form)
 29 CFR 1910.1200. Standard must be Form Approved
 consulted for specific requirements. OMB No. 1218-0072

IDENTIFY (As used on label) NN Extra Strength Brush-On Glue 10gm.	
Section I	
Manufacture's Name PNI WorldWide	Emergency Telephone Number 1-800-535-5053 (International Number) 813-960-2780
Address (Number, Street, City, State and ZIP Code)	Telephone Number for Information SAA
5454 West Crenshaw Street	Data Prepared 03-22-07
Tampa, Fl 33634	
Section II – Hazardous Ingredients/Identity Information	
<small>Hazardous Components (Specify Chemical Identity: Common Name(s) OSHA PEL ACGIH TLV Other Limits Recommended % Optional)</small>	
Ethyl Cyanoacrylate (7085-85-0) 90 – 95	
Poly (Methyl Methacrylate) (9011-14-7) 5 – 10	
Butylated Hydroxyanisole* (25013-16-5) 0.1 – 0.2	
<small>*This component is listed as Prop 65 Chemical.</small>	

Section III – Physical/Chemical Characteristics

Boiling Point	>300°F	Specific Gravity (H2O =1) @ 80°F	~1.05
Vapor Pressure (mm Hg)	<0.2mm Hg @ 75°F	Melting Point	n/a
Vapor Density (AIR = 1)	Approximately 3	Evaporation Rate (Butyl Acetate = 1)	n/a

Solubility in Water Polymerized by water

Appearance and Odor Clear liquid with a sharp, irritating odor.

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	150 - 200°F TCC	Flammable Limits	LEL N/A	UEL N/A
---------------------------	-----------------	------------------	---------	---------

Extinguishing Media: Dry chemical, CO2, foam

Special Fire Fighting Procedures: Self contained breathing apparatus

Unusual Fire and Explosion Hazards: Possible exothermic reaction leading to substrate ignition and fume generation.

Section V – Health Hazard Data

Threshold Limit Value: Ethyl Cyanoacrylate 0.2ppm TWA(ACGIH); Butylated Hydroxyanisole 2mg/m³ TWA (ACGIH) and OSHA(PEL).

Effects of overexposure: Vapor is irritating to eyes and mucous membranes. Prolonged and repeated overexposure to vapors may produce allergic reactions with asthma like symptoms in sensitive individuals. Skin contact: **Bonds skin in seconds. Large drops may cause burns.**

Ingestion: not expected to be harmful by ingestion. Rapidly solidifies and bonds to mouth.

Emergency and First Aid Procedures: Ingestion: Keep individual calm. Ensure breathing passages are not obstructed. Saliva will separate solidified product within hours. Avoid swallowing.

Inhalation: Remove to fresh air. If discomfort persists seek medical attention.

Skin Contact: Immerse bonded surface in soapy water. Peel or roll surface apart with aid of blunt edge. Do not pull apart with direct opposing action.

Eye Contact: Flush at least 15 minutes with water and apply gauge patch. Eye will open within 1-4 days. Obtain medical attention.

Burns: Should be treated normally after the lump of cyanoacrylate is released from the tissue.

Section VI – Reactivity Data

Stability	Unstable		Conditions to Avoid: Amines, base materials.
	Stable	X	(Under normal conditions)

Incompatibility (*Materials to avoid*)

Water, amines, alkalis and alcohols.

Hazardous Decomposition Products None

Hazardous Polymerization	May occur	X	Rapid exothermic solidification will occur in the presence of water, alcohol, amines or alkali.
	Will not occur		

Section VII – Spill or Leak Procedures

Steps to be taken in case material is to be released or spilled: Flood with water to polymerize.

Waste Disposal Method: Incinerate in accordance with EPA and Local regulations.

Section VIII – Special Protective Information

Respiratory Protection (*Specify Type*) None needed for normal use.

Ventilation: Local ventilation recommended for prolonged use.	Local Exhaust Recommended	Special None
	Mechanical Not Applicable	Other None

Protective Gloves: Polyethylene gloves, do not use cotton gloves.

Eye Protection: Safety Glasses or Goggles.

Other Protective Equipment: Polyethylene/polypropylene coats or aprons (not rubber or cotton).

Section IX – Special Precautions

Precautions to be taken in handling and storing:

Store below 75°F to maximize shelf life. Avoid contact with eyes, skin and clothing.
SKIN CONTACT THROUGH CLOTHING MAY CAUSE BURNS.

Other Precautions:

Avoid breathing vapor. Keep away from children. Avoid contact with fabric or paper goods. Take precautions to avoid spillage on countertops, table tops or other working surfaces.

Section X – Regulatory Information

CERCLA/SARA Section 311/312: Immediate/Delayed health hazard fire, reactive. WHMIS Hazard Class: B.3, D.2.B. All components are listed or are exempt from listing on the TSCA Inventory and the DSL

Estimated HMIS Code: Fire Hazard (2), Health Hazard (2), Reactivity (1)

Section X – Transportation Information

DOT (49CFR172):

Proper Shipping Name: Consumer Commodity

Hazard Classification: ORM-D

Unrestricted [Less than 450 L]

NA1993, Combustible liquid, n.o.s. (cyanoacrylate ester), 3, III [More than 450 L]

IATA:

Unrestricted [Not more than 500ml]

UN3334, Aviation regulated liquid, n.o.s., (cyanoacrylate ester), 9 [More than 500 ml]

Information presented herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. Nothing herein shall be considered as recommending practices or products in violation of any patent, law or regulation. It is the user's responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. WE MAKE NO WARRANTIES REGARDING THE PRODUCTS AND DISCLAIM ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

MSDS **FN300**