1801 Morgan Street Rockford, IL 61102 Phone: (815) 968-9661 Fax: (815) 968-9731 www.gcelectronics.com

# Product Name: Quik Stick, Part A

MSDS Number: 110A Revision Date: 11/14/03 Supersedes Date: 7/17/00

P/N 29-0014-00

#### MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type:

Adhesive

Product Name:

Quik Stick, Part A (Resin)

Part Number(s): 19-822 10-114

2 Emergency Contact:

Chemtrec

Phone: (800) 424-9300

### Section 1 - Identification of Product

Common Name: Quik Stick (Resin) Part A

Chemical Composition: Mixture Chemical Family: Epoxy Resin

HMIS RATINGS

Health = 2 Flammability = 1 Reactivity = 0

Personal Protection=B

Least 0

Slight 1 Moderate 2

High 3 Extreme 4

Gloves, Safety Glasses B

## Section 2 - Hazardous Ingredients

NAME CAS # OSHA PEL ACGIH TLV

Bisphenol-A Type Epoxy Resin\* 25068-38-6 NE NE

#### Section 3 – Physical Data

Flash Point (PMCC): > 200°F Boiling Point: > 400°F Vapor Density: > Air Evaporation Rate: Nil % Volatile by Vol: 0 Specific Gravity: 1.19

Solubility in Water: Negligible Vapor Pressure: < 1mm Hg

Appearance & Odor: Liquid, Mild Epoxy Odor

#### Section 4 - Fire and Explosion Hazard Data

Extinguishing Media: Water fog, carbon dioxide, foam or dry chemical.

Special Fire Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be

used. Water spray may be used to cool fire exposed container to prevent pressure

build-up and possible auto-ignition or rupture.

Unusual Fire & Explosion Hazards: Keep containers tightly closed. Water may be used to cool unruptured containers.

Part Number(s): 19-822, 10-114 Part A Page 1 of 1

<sup>\*</sup> Exact Identity withheld as a trade secret.

1801 Morgan Street Rockford, IL 61102 Phone: (815) 968-9661 Fax: (815) 968-9731 www.gcelectronics.com

# **Product Name: Quik Stick, Part A**MSDS Number: 110A

MSDS Number: 110A Revision Date: 11/14/03 Supersedes Date: 7/17/00

# Section 5 – Health Hazard Data

	Section 5 – nea	un nazaru Data				
Primary routes of exposure:	✓ Dermal/Eye	✓ Inhalation	Ingestion			
Medical conditions prone to	D '.' 1' 1	C.1 1: 1/				
aggravation by exposure:	Preexisting disorders of the skin and/or eyes.					
Eye Contact:	Contains ingredients which are irritating to the eyes. Symptoms may include					
	blurred vision, burning sensation and tearing.					
Skin Contact:	Contains materials which cause moderate skin irritation. This product may cause skin sensitization or allergic reactions which may be severe with certain people.					
	Symptoms include rash, itching, hives and swelling of extremities. Prolonged or					
Tub-lation.	repeated exposure may cause a defatting or drying action to skin.					
Inhalation:	Unlikely at room temperature due to low volatility, however heating can generate					
	vapors that may cause respiratory irritation.  Product is harmful if swallowed.					
Ingestion:			1 4 4 1 1 1 4			
Chronic Health Effects:	The Bisphenol-A epoxy (DGEBA) resin this product contains has been shown to					
	be mutagenic in some microbial tests, but failed to show mutagenicity in others, the significance of this is unknown. Chromosomal abberations were observed in cultured rat liver cells. Two year bioassays on mice exposed by the dermal route to DGEBA resin gave only very limited evidence of weak carcinogenicity.					
				Based on this and other evidence the International Agency for Research on		
				Cancer (IARC) concluded in 1988 that DGEBA epoxy resins are not classifiable		
				as carcincogens.		
	EMERGENCY FIRST AID PROC	EDURES				
	EMERGENCI PIRST AIDTROC	EDUKES				
	Inhalation:	Move person to fres	h air Restore breathing	g. Treat symptomatically. Consult a		
imatation.	physician.	in an. Restore oreatining	. Treat symptomatically. Consult a			
Eyes:	1 2	er for at least 15 minute	s. Take to a physician for medical			
Lycs.	treatment.	or for at least 15 minute	s. Take to a physician for medical			
	troutment.					
Skin:	Wash affected areas	with soan and water R	Remove contaminated clothing.			
Siiii.		if irritation persists.	ionio vo contaminatoa erotining.			
Ingestion:			ice vomiting. Give medical attention			
			to an unconscious person.			
		8- 10 11-17 1 8 0 7 11	F			
	Section 6 – R	eactivity Data				
		<u> </u>				
Stability:	✓ Stable	Unstable				
Hazardous Polymerization:	Will not occur.					
Conditions to Avoid:	High temperatures,	high humidity.				
Materials to Avoid:		NG AGENTS ACIDS				

Part Number(s): 19-822, 10-114 Part A Page 2 of 2

1801 Morgan Street Rockford, IL 61102 Phone: (815) 968-9661 Fax: (815) 968-9731 www.gcelectronics.com Product Name: Quik Stick, Part A

MSDS Number: 110A Revision Date: 11/14/03 Supersedes Date: 7/17/00

## Section 7 – Spill or Leak Procedures

Spills: Contain and remove with absorbent material. Avoid contact.

Waste Disposal Method: Disposal should be done in accordance with Federal (40 CFR Part 261), State and

local regulations. Before attempting clean-up, refer to hazard caution

information in other sections of the MSDS form. Use only licensed hazardous

waste disposal companies.

## **Section 8 – Special Protection Information**

Respiratory Protection: Use approved chemical/mechanical filters designed to remove a combination of

particulates and organic vapors in open and restricted areas when ventilation does not meet the requirements of 29 CFR 1910.134. Use approved airline type

respirators or hoods in confined areas.

Ventilation: Sufficient ventilation in pattern and volume to keep the air contaminant

concentration below applicable exposure limits. All application areas should be

ventilated in accordance with OSHA regulation 29 CFR 1910.134.

Protective Gloves: Use neoprene or other impervious gloves to prevent skin contact. Eye Protection: Use safety glasses with side shields as minimum protection.

Other Protective Equipment: Use protective cream if skin contact is likely. Remove and wash contaminated

clothing before reuse. Discard contaminated shoes.

Hygenic Practices: Wash hands before eating, smoking or using toilet facilities. Do not smoke in

any chemical handling and storage area. Food or beverages should not be

consumed anywhere near where this product is handled or stored.

# **Section 9 – Special Precautions**

Handling and Storage: Do not store near heat or open flame.

Other: Empty container should not be reused.

#### Section 10 - Regulatory Information

DOT Proper Shipping Name: Not Regulated

Hazard Class or Division:

Packing Group Number:

Required Label:

UN Number:

NA

None

NA

TSCA Status: All components of this product are listed on, or exempted from the requirement

to be listed on, the TSCA Inventory.

NA=Not Available na=not applicable NE=Not Established ND=Not Determined

mppcf=million parts/ft3 mg/M3=milligrams per cubic meter

Part Number(s): 19-822, 10-114 Part A Page 3 of 3

1801 Morgan Street Rockford, IL 61102 Phone: (815) 968-9661 Fax: (815) 968-9731 www.gcelectronics.com Product Name: Quik Stick, Part A

MSDS Number: 110A Revision Date: 11/14/03 Supersedes Date: 7/17/00

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Part Number(s): 19-822, 10-114 Part A

1801 Morgan Street Rockford, IL 61102 Phone: (815) 968-9661 (815) 968-9731 Fax: www.gcelectronics.com **Product Name: Quik Stick, Part B** 

MSDS Number: 110 B Revision Date: 11/14/03 Supersedes Date: 7/17/00

#### MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Adhesive

Product Name: **Quik Stick, Part B (Hardener)** 

Part Number(s): 19-822 **Emergency Contact: Chemtrec** 

> 10-114 Phone: (800) 424-9300

#### Section 1 – Identification of Product

Common Name: Quik Stik (Hardener) Part B

Chemical Composition: Mixture Chemical Family: Polyamine Blend

HMIS RATINGS

Least 0 Health = 3Slight 1 Flammability = 1Moderate 2 Reactivity = 0High 3 Personal Protection=B Extreme 4

Gloves, Safety Glasses B

## **Section 2 – Hazardous Ingredients**

**ACGIH TLV NAME** CAS# OSHA PEL

Polymercaptan Resin\* NA NA NA Tris-2.4,6 (Dimethylaminomethyl) Phenol 90-72-2 N/E N/E

\* Exact Identity withheld as a trade secret.

#### Section 3 – Physical Data

> 200°F >200°F Flash Point (PMCC): **Boiling Point:** Vapor Density: > Air Evaporation Rate: Nil % Volatile by Vol: Specific Gravity: 1.14 0

Vapor Pressure: Solubility in Water: Slight < 1mm Hg

Appearance & Odor: Liquid, Mild Amine Odor

# Section 4 – Fire and Explosion Hazard Data

Extinguishing Media: Water fog, carbon dioxide, foam or dry chemical.

Special Fire Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be

used. Water spray may be used to cool fire exposed container to prevent pressure

build-up and possible auto-ignition or rupture.

Unusual Fire & Explosion Hazards: Keep containers tightly closed. Water may be used to cool unruptured

containers.

Part Number(s): 19-822, 10-114 Part B Page 1 of 1

Ventilation:

1801 Morgan Street Rockford, IL 61102 Phone: (815) 968-9661 Fax: (815) 968-9731 www.gcelectronics.com **Product Name: Quik Stick, Part B** 

MSDS Number: 110 B Revision Date: 11/14/03 Supersedes Date: 7/17/00

#### Section 5 – Health Hazard Data

Effects of Overexposure Acute Skin: Primarily redness and irritation. Chronic: May cause skin sensitization. Symptoms may include burning sensation, coughing and shortness of breath. Acute Inhalation: Medical conditions prone to aggravation by exposure: Chronic diseases of the skin... Primary routes of exposure: **✓** Dermal Inhalation Ingestion EMERGENCY FIRST AID PROCEDURES Inhalation: Move person to fresh air. Restore breathing. Treat symptomatically. Consult a physician. Eyes: Flush eyes with water for at least 15 minutes. Take to a physician for medical treatment. Skin: Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Drink one or two glasses of milk or water. Do not induce vomiting. Give Ingestion: medical attention immediately. Never give anything by mouth to an unconscious person. Section 6 - Reactivity Data \_\_ Unstable Stability: ✓ Stable Hazardous Polymerization: Will not occur. Conditions to Avoid: High temperatures, high humidity. STRONG OXIDIZING AGENTS, ACIDS, EPOXY RESINS IN Materials to Avoid: UNCONTROLLED CONDITIONS Section 7 – Spill or Leak Procedures Contain and remove with absorbent material. Avoid contact. Spills: Waste Disposal Method: Disposal should be done in accordance with Federal (40 CFR Part 261), State and

#### **Section 8 – Special Protection Information**

Respiratory Protection: Avoid breathing vapors/mists. Use approved chemical/mechanical filters

waste disposal companies.

designed to remove a combination of particulates and organic vapors in open and restricted areas when ventilation does not meet the requirements of 29 CFR 1910.134. Use approved airline type respirators or hoods in confined areas. Sufficient ventilation in pattern and volume to keep the air contaminant

local regulations. Before attempting clean-up, refer to hazard caution

information in other sections of the MSDS form. Use only licensed hazardous

concentration below applicable exposure limits. All application areas should be

ventilated in accordance with OSHA regulation 29 CFR 1910.134.

Part Number(s): 19-822, 10-114 Part B Page 2 of 2

GC Electronics Product Name: Quik Stick, Part B

1801 Morgan Street Rockford, IL 61102 Phone: (815) 968-9661 Fax: (815) 968-9731 www.gcelectronics.com MSDS Number: 110 B Revision Date: 11/14/03 Supersedes Date: 7/17/00

Protective Gloves: Use neoprene or other impervious gloves to prevent skin contact. Eye Protection: Use safety glasses with side shields as minimum protection.

Other Protective Equipment: Use protective cream if skin contact is likely. Remove and wash contaminated

clothing before reuse. Discard contaminated shoes.

Hygenic Practices: Wash hands before eating, smoking or using toilet facilities. Do not smoke in

any chemical handling and storage area. Food or beverages should not be

consumed anywhere near where this product is handled or stored.

# **Section 9 – Special Precautions**

Handling and Storage: Do not store near heat or open flame.
Other: Empty container should not be reused.

# **Section 10- Regulatory Information**

DOT Proper Shipping Name: Not Regulated

Hazard Class or Division:

Packing Group Number:

NA
Required Label:

None
Identification Number:

NA

TSCA Status: All components of this product are listed on, or exempted from the requirement

to be listed on, the TSCA Inventory.

NA=Not Available na=not applicable NE=Not Established ND=Not Determined

mppcf=million parts/ft3 mg/M3=milligrams per cubic meter

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