

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
Emergency Contact: **Chemtree**
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	Least	0
Flammability = 1	Slight	1
Reactivity = 0	Moderate	2
Personal Protection=B	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

* Exact Identity withheld as a trade secret.

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.

Section 5 – Health Hazard Data

Primary routes of exposure:	<input checked="" type="checkbox"/> Dermal/Eye	<input checked="" type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion
Medical conditions prone to 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 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.		
Ingestion:	Product is harmful if swallowed.		
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 aberrations 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 carcinogens.		

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.
Ingestion:	Drink plenty of water to dilute. Do not induce vomiting. Give medical attention immediately. Never give anything by mouth to an unconscious person.

Section 6 – Reactivity Data

Stability:	<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Unstable
Hazardous Polymerization:	Will not occur.	
Conditions to Avoid:	High temperatures, high humidity.	
Materials to Avoid:	STRONG OXIDIZING AGENTS, ACIDS	

GC Electronics

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Product Name: Quik Stick, Part A

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

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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**
10-114

Emergency Contact: **Chemtrek**
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

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

Section 2 – Hazardous Ingredients

NAME	CAS #	OSHA PEL	ACGIH TLV
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

Flash Point (PMCC):	> 200°F	Boiling Point:	>200°F	Vapor Density:	> Air
Evaporation Rate:	Nil	% Volatile by Vol:	0	Specific Gravity:	1.14
Solubility in Water:	Slight	Vapor Pressure:	< 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.

Section 5 – Health Hazard Data

Effects of Overexposure
Acute Skin: Primarily redness and irritation.
Chronic: May cause skin sensitization.
Acute Inhalation: Symptoms may include burning sensation, coughing and shortness of breath.
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.
Ingestion: Drink one or two glasses of milk or water. Do not induce vomiting. Give medical attention immediately. Never give anything by mouth to an unconscious person.

Section 6 – Reactivity Data

Stability: Stable Unstable
Hazardous Polymerization: Will not occur.
Conditions to Avoid: High temperatures, high humidity.
Materials to Avoid: STRONG OXIDIZING AGENTS, ACIDS, EPOXY RESINS IN UNCONTROLLED CONDITIONS

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: Avoid breathing vapors/mists. 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.

