

Safety Data Sheet: MEGA STICK

Supersedes Date 05/18/2011

Issuing Date 10/29/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGA STICK
Recommended use Epoxy resin
Information on Manufacturer
Mega Metals,Partsmaster,Div of NCH Corp.
P.O. Box 655326
Dallas, TX 75265-5326

Product Code 5974
Chemical nature Epoxy
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Gray - black

Physical State Solid

Odor Sulfurous

GHS

Classification

Physical Hazards

None

Health Hazard

Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation
Skin Sensitization
Carcinogenicity

Category 2
Category 2B
Category 1
Category 1A

Other hazards

None

Labeling

Signal Word

DANGER



Hazard Statements

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H320 - Causes eye irritation
H350 - May cause cancer

Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs, get medical attention.
P362 - Take off contaminated clothing and wash before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.
P501 - Dispose of contents and container in accordance with applicable regulations.

13 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Bisphenol A - Epichlorohydrin polymer	25068-38-6	10-30
Crystalline Silica (Quartz)	14808-60-7	0.1-1
Carbon black	1333-86-4	0
Talc, respirable dust	14807-96-6	0

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact	Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth.
Notes to physician	May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point	Does not flash	Method	Not applicable
Flammability Limits in Air %	No information available.	Upper	No data available
Suitable Extinguishing Media		Lower	No data available
Foam. Alcohol-resistant foam. Carbon dioxide (CO ₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
Specific hazards arising from the chemical			
None known.			
Protective Equipment and Precautions for Firefighters			
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear			
NFPA	Health 1	Flammability 0	Instability 0
HMIS	Health 1	Flammability 0	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Cover powder spill with plastic sheet or tarp to minimize spreading.
Methods for Cleaning Up	Pick up and arrange disposal without creating dust.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing.			
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
Storage Temperature	Minimum	38 °F / 3 °C	Maximum	90 °F / 32 °C
Storage Conditions	Indoor	X	Outdoor	
			Heated	Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Bisphenol A - Epichlorohydrin polymer	No data available	No data available	No data available
Crystalline Silica (Quartz)	: 0.025 mg/m ³ TWA (respirable fraction)	No data available	IDLH: 50 mg/m ³ TWA: 0.05 mg/m ³
Carbon black	TWA: 3 mg/m ³	TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³
Talc, respirable dust	TWA: 2 mg/m ³	No data available	IDLH: 1000 mg/m ³ TWA: 2 mg/m ³

Engineering Measures	Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	Wear suitable protective clothing, Impervious gloves.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Viscosity	Paste
Color	Gray - black	Odor	Sulfurous
Odor Threshold	Not applicable	Appearance	Opaque
pH	Not applicable	Specific Gravity	2.25

Evaporation Rate	<1 (Butyl acetate=1)	Percent Volatile (Volume)	0
VOC Content (%)	0	VOC Content (g/L)	0
Vapor Pressure	<0.1 mmHg @ 70°F	Vapor Density	Not applicable
Solubility	Insoluble	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	>220 °C
Boiling Point/Range	No information available	Flammability (solid, gas)	No data available
Flash Point	Does not flash	Method	Not applicable
Autoignition Temperature	No information available.		
Flammability Limits in Air %	No information available.	Upper	No data available
		Lower	No data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	None known
Decomposition Temperature	>220 °C
Hazardous Decomposition Products	None under normal use
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50	1,000.00
Dermal LD50	1,280.00
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure	Skin contact, Eye contact.
Primary Routes of Entry	Skin Absorption

Acute Effects

Eyes	Causes eye irritation.
Skin	Causes skin irritation. May cause allergic skin reaction.
Inhalation	Low hazard for usual industrial or commercial handling.
Ingestion	Low hazard for usual industrial or commercial handling.

Chronic Toxicity

May cause sensitization by skin contact. Contains a known or suspected carcinogen.

Target Organ Effects: Eyes, Respiratory system, Kidney, Immune system.

Aggravated Medical Conditions: Skin disorders

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Bisphenol A - Epichlorohydrin polymer	= 11400 mg/kg (Rat)	no data available	no data available	no data available	no data available
Crystalline Silica (Quartz)	= 500 mg/kg (Rat)	no data available	no data available	no data available	no data available
Carbon black	no data available	no data available	no data available	no data available	no data available
Talc, respirable dust	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Bisphenol A - Epichlorohydrin polymer	no data available	Skin sensitization	no data available	no data available	immune system
Crystalline Silica (Quartz)	no data available	no data available	no data available	no data available	eyes, respiratory system (in animals: lung cancer), kidneys
Carbon black	no data available	no data available	no data available	no data available	eyes, respiratory system
Talc, respirable dust	no data available	no data available	no data available	no data available	CVS, eyes, respiratory system

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Bisphenol A - Epichlorohydrin polymer	not applicable	not applicable	not applicable	not applicable	not applicable
Crystalline Silica (Quartz)	A2	Group 1	Known	X	not applicable
Carbon black	A3	Group 2B	not applicable	X	not applicable
Talc, respirable dust	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Bisphenol A - Epichlorohydrin polymer	no data available	no data available	no data available	no data available	N/A
Crystalline Silica (Quartz)	no data available	no data available	no data available	no data available	N/A
Carbon black	no data available	no data available	no data available	EC50> 5600 mg/L 24 h	N/A
Talc, respirable dust	no data available	LC50 > 100 g/L Brachydanio rerio 96 h	no data available	no data available	N/A

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA

Does not Comply

DSL

Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Bisphenol A - Epichlorohydrin polymer	Not applicable	Not applicable
Crystalline Silica (Quartz)	Not applicable	Not applicable
Carbon black	Not applicable	Not applicable
Talc, respirable dust	Not applicable	Not applicable

16. OTHER INFORMATION

Prepared By

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Reason for Revision

No information available.

Glossary

No information available.

List of References.

No information available.

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