

Safety Data Sheet
180 EPOXY PRIMER PART A



SDS Revision Date:

04/08/2015

1. Identification

1.1. Product identifier

Product Identity 180 Epoxy Primer Part A

Alternate Names 180 Epoxy Primer Part A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Technical Data Sheet.

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Karnak Corporation
330 Central Ave.
Clark, NJ 07066 USA

Emergency www.karnakcorp.com
CHEMTREC (USA) (800) 424-9300
24 hour Emergency Telephone No. OUTSIDE THE U.S AND CANADA 1-202-483-7616
Customer Service: Karnak Corporation 1-800-526-4236

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Irritation 2
Eye Irritation 2A
Skin Sensation 1

2.2. Label elements

[Danger]: Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Contains materials suspected of causing cancer (bound in liquid/paint, not airborne dust).

[Prevention]:

Wash hand thoroughly after handling. Wear protective gloves/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace

[Response]:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

[Storage]:

No GHS storage statements

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[Disposal]:

Dispose of contents and container in accordance with all local, regional, national and international regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Limestone CAS Number: 0001317-65-3	30 - 60	Not Classified	
Bisphenol A-epichlorohydrin polymer CAS Number: 0025068-38-6	10 - 45	Skin Irrit. 2, H315 Eye Irrit. 2A H319 Skin Sens. 1,H317	
Ethylene Oxide CAS Number: 0000075-21-8	< 0.1	Flam. Gas 1, H220 Press Gas, H280 Acute Tox, 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Muta. 1B H340 Carc. 1B, H350 STOT SE 3, H335	
1,4-Dioxane CAS-123-91-1	< 0.1	Flam. Liq 2, H225 Eye Irrit, 2A H319 Carc 2, H351 STOT SE 3, H335	
Acetaldehyde CAS-75-07-0	< 0.1	Flam. Liq 1, H224 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335	

*In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

** These materials are bound in liquid/paint and are not airborne or in dust form

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Eyes

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention

Skin

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

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Ingestion If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Overview Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible)

Inhalation May cause respiratory irritation

Skin Contact Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause sensitization by skin contact.

Eye Contact Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Ingestion May be harmful if swallowed. May cause stomach distress, nausea or vomiting

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media – Treat for surrounding material.

Unsuitable extinguishing media – None known

5.2. Special hazards arising from the substance or mixture

Fire hazard – Products of combustion may include, and are not limited to oxides of carbon.

5.3. Advice for fire-fighters

Protection during firefighting – Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA)

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures - Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Environmental precautions

For containment - Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

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Methods for cleaning up – Scoop up material and place in a disposal container. Provide ventilation.

6.3. Methods and material for containment and cleaning up

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

7. Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling - Avoid contact with skin and eyes. Do not swallow. Avoid breathing vapour or mist. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures - Wash hands before eating, drinking, or smoking. Launder contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions - Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place.

7.3. Specific end use(s)

Not available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0001317-65-3	Limestone	OSHA	TWA (15 mg/m ³ total; 5mg/m ³ resp)
		ACGIH	TWA: 10mg/m ³
		NIOSH	TWA 200 ppm (260 mg/m ³) ST 250 ppm (325 mg/m ³) [skin]
		Supplier	No Established Limit
0025068-38-6	Bisphenol A-epichlorohydrin polymer	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0013463-67-7	Titanium dioxide	OSHA	15 mg/m ³
		ACGIH	10 mg/m ³
		NIOSH	Not applicable
		Supplier	No Established Limit

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Carcinogen Data

CAS No.	Ingredient	Source	Value
0000075-21-8	Ethylene Oxide	OSHA	TWA 1 ppm
		OSHA	STEL 5 ppm (see 29 CFR 1910.1047)
		ACGIH	1 ppm
0000123-91-1	1,4-Dioxane	ACGIH	20 ppm
		OSHA	PEL (TWA) 360 mg/m ³
		OSHA	PEL (TWA) 100 ppm
0000075-07-0	Acetaldehyde	ACGIH	25 ppm
		OSHA	360 mg/m ³
		OSHA	200 ppm

8.2. Exposure controls

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand

Wear chemically resistant protective gloves.

Eyes

Safety glasses or face shield for liquid material.

Skin

Safety glasses or goggles are recommended when handling product. Wear suitable protective clothing.

Engineering Controls

Maintain levels below Community environmental protection thresholds. Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Other Work Practices

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

9. Physical and chemical properties

Appearance

Viscous

Odor

Faint Aromatic

Odor threshold

Not Measured

pH

Not Measured

Melting point / freezing point

NA

Initial boiling point and boiling range

No Measured

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Flash Point	> 100°C (> 212°F)
Evaporation rate (Ether = 1)	(Butyl Acetate=1)@77F:
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	1.405
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
9.2. Other information	
No other relevant information.	

10. Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials

10.5. Incompatible materials

Oxidizers

10.6. Hazardous decomposition products

May include, and are not limited to oxides of Carbon.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm

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180 Epoxy Primer Part A	> 2000 (rat)	> 2000 (rabbit)	No data available	No data available	No data available
Limestone- (1317-65-3)	6450 (rat)	No data available	No data available	No data available	No data available
Bisphenol A-epichlorohydrin polymer (25068-38-6)	13600	>20 (mL/kg)	No data available	No data available	No data available
Titanium Dioxide (13463-67-7)	> 10000	> 10000	No data available	No data available	No data available
Ethylene Oxide (75-21-8)	72	No data available	800 ppm/4h	No data available	No data available
1,4-Dioxane (123-91-1)	4200	7600	48.5	No data available	No data available
Acetaldehyde (75-07-0)	1930	No data available	13300 ppm/4h	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Causes skin irritation
Serious eye damage/irritation	---	Causes serious eye irritation
Respiratory sensitization	---	May cause an allergic skin reaction
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Based on available data; the classification criteria are not met
Carcinogenicity	---	Based on available data; the classification criteria are not met
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable
Titanium Dioxide (13463-67-7)		
IARC Group	2B – Possibly carcinogenic to humans (airborne, unbound particles of respirable size)	
Ethylene Oxide (75-21-8)		
IARC Group	1-Carcinogenic to humans	
National Toxicity Program (NTP) Status	1 – Evidence of Carcinogenicity, 2 – known human carcinogens in OSHA	

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	Specifically regulated carcinogen list
1,4-Dioxane (123-91-1)	
IARC Group	2B – Possibly carcinogenic to human
National Toxicity Program (NTP) Status	1 – Evidence of carcinogenicity, 3- Reasonably anticipated to be human carcinogen
Acetaldehyde (75-07-0)	
IARC Group	1 – Carcinogenic to humans, 2B – Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	3 – Reasonably anticipated to be human carcinogen

Reproductive toxicity – based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) – based on available data, the classification criteria are not met.

Aspiration hazard - based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation – May cause respiratory irritation.

Symptoms/injuries after skin contact – Causes skin irritation, Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause sensitization by skin contact.

Symptoms/injuries after eye contact - Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/injuries after ingestion - May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

12. Ecological information

12.1. Toxicity

Ecology – May cause long-term adverse effects in aquatic environment.

12.2. Persistence and degradability

180 Epoxy Primer part A – No additional information available.

12.3. Bioaccumulative potential

180 Epoxy Primer part A – No additional information available.

12.4. Mobility in soil

180 Epoxy Primer part A – No additional information available.

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12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

Effect on ozone layer 180– No additional information available.

Effect on global warming – No known ecological damage caused by this product.

Other adverse effects- No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

The description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate regulations, for additional description requirements.

DOT Shipping Name:	Non-Regulate
DOT Label Information:	NA
DOT Hazard Class:	NA
DOT Packing Group:	NA

15. Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Ethylene Oxide (75-21-8)	
Listed on SARA section 302 (Specific toxic chemical listings)	
Listed on SARA section 313 (Specific toxic chemical listings)	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000
SARA Section 313 – Emission Reporting	0.1%
1,4-Dioxane (123-91-1)	
Listed on SARA Section 313 (Specific toxic chemical listings)	
SARA Section 313 – Emission Reporting	0.1%
Acetaldehyde (75-07-0)	
Listed on SARA Section 313 (Specific toxic chemical listing)	
EPA TSCA Regulatory Flag	T – T indicates a substance that is the subject of a

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	section 4 test rule under TSCA
SARA Section 313 – Emission reporting	0.1%
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State or local regulations	

16. Other information

Date of Issue: 07/03/2014

Revision date: 04/08/2015

Version: 1.0

Data sources – SDS prepared pursuant to the Hazard Communications Standard (CFR29 1910.2100) HazCom 2012

Other Information: None.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The information has been completed to the best of our knowledge and is believed to be accurate and reliable as from the date indicated. However, no warranty is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy oneself as to the suitability and completeness of such information for his own particular use.

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