



SAFETY DATA SHEET

Revision Date: 7/15/2015

1. Identification

1.1. Product identifier

Product Identity Everstrong Nano-Poxy - Part A (epoxy resin)

Alternate Names

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

Intended use High Solids Epoxy Coating

Application Method See Technical Data Sheet

1.3. Details of the supplier of the safety data sheet

Company Name Everstrong Technologies
45 S. French Broad Ave.
Asheville, NC 28801

Emergency (800) 424-9300
CHEMTREC (USA)

24 hour Emergency Telephone No. Within USA: (800) 424-9300 (CHEMTREC)
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

Customer Service +1 (828) 785-1800

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Irrit. 2;H315 Causes skin irritation.

Eye Irrit. 2;H319 Causes serious eye irritation.

Skin Sens. 1;H317 May cause an allergic skin reaction.

Aquatic Chronic 2;H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

EVERSTRONG
NANO-POXY
SELF-PRIMING NANO-ENGINEERED EPOXY



SAFETY DATA SHEET

Revision Date: 7/15/2015



Warning

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

[Prevention]:

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P313 Get medical advice / attention.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or a rash occurs: Get medical advice / attention.

P337+313 If eye irritation persists: Get medical advice / attention.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

[Storage]:

No GHS storage statements

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

EVERSTRONG
NANO-POXY
 SELF-PRIMING NANO-ENGINEERED EPOXY



SAFETY DATA SHEET

Revision Date: 7/15/2015

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
Diglycidyl ether of bisphenol A CAS Number: 0025068-38-6	50 - 75	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411	[1]
TALC (Mg ₃ H ₂ (SiO ₃) ₄) CAS Number: 0014807-96-6	10 - 25	Not Classified	[1][2]
Benzyl alcohol CAS Number: 0000100-51-6	10 - 25	Acute Tox. 4;H332 Acute Tox. 4;H302	[1]
Iron oxide CAS Number: 0001309-37-1	1.0 - 10	Not Classified	[1][2] #
Titanium dioxide CAS Number: 0013463-67-7	1.0 - 10	Not Classified	[1][2] #

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.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

May be present, depending on the color.



SAFETY DATA SHEET

Revision Date: 7/15/2015

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	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Overview	Eye contact: irritation and tearing. Skin contact: may irritate sensitive skin. Inhalation: none known. Ingestion: may cause mild diarrhea (soap effect). Chronic hazards: none known. See section 2 for further details.
Eyes	Causes serious eye irritation.
Skin	May cause an allergic skin reaction. Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon monoxide, carbon dioxide, aldehydes, and various compounds from incomplete combustion.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

At higher temperature vapors can cause pressure buildup in sealed containers. Use water to cool containers exposed to fire. Self-contained respirator equipment and full protective clothing required when smoke or fumes are generated. Electrical grounding not recommended.

ERG Guide No. ----



SAFETY DATA SHEET

Revision Date: 7/15/2015

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Avoid contact. Soak up with clay or other absorbent material. Place in covered container for disposal.

7. Handling and storage

7.1. Precautions for safe handling

Keep containers tightly closed when not in use. If mixture of Part A and Part B is allowed to remain in the mixing vessel past the pot life deadline, heat and a strong reaction will result. Grinding or other abrasive action to cured film may develop micro crystalline silica dust. Wear a dust mask during such operations.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Strong acids, strong bases. Amines and mercaptans may initiate possible hazardous polymerization.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.



SAFETY DATA SHEET

Revision Date: 7/15/2015

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000100-51-6	Benzyl alcohol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0001309-37-1	Iron oxide	OSHA	TWA 15 mg/m ³ (total) TWA 5 mg/m ³ (resp)
		ACGIH	TWA: 5 mg/m ³ (dust or fume) STEL 10 mg/m ³ (as fume)
		NIOSH	TWA 5 mg/m ³
		Supplier	No Established Limit
0013463-67-7	Titanium dioxide	OSHA	TWA 15 mg/m ³
		ACGIH	TWA: 10 mg/m ³ 2B, Revised 2006,
		NIOSH	Footnote ca
		Supplier	No Established Limit
0014807-96-6	TALC (Mg ₃ H ₂ (SiO ₃) ₄)	OSHA	TWA 20 mppcf
		ACGIH	Containing asbestos fibres TWA: 0.1 f/cc (K) A1, 1 Containing no asbestos fibres TWA: 2 mg/m ³ (E) (respirable)
		NIOSH	TWA 2 mg/m ³ (resp)
		Supplier	No Established Limit
0025068-38-6	Diglycidyl ether of bisphenol A	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data



SAFETY DATA SHEET

Revision Date: 7/15/2015

CAS No.	Ingredient	Source	Value
0000100-51-6	Benzyl alcohol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001309-37-1	Iron oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0013463-67-7	Titanium dioxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0014807-96-6	TALC (Mg ₃ H ₂ (SiO ₃) ₄)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0025068-38-6	Diglycidyl ether of bisphenol A	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

- Respiratory** Avoid breathing vapor, mist or spray. If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
- Eyes** Protective safety glasses recommended
- Skin** Rubber gloves and boots.
- Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
- Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:



SAFETY DATA SHEET

Revision Date: 7/15/2015

9. Physical and chemical properties

Appearance	Moderately viscous pigmented Liquid
Odor	Mild
Odor threshold	Not determined
pH	Not available
Melting point / freezing point	Not available
Initial boiling point and boiling range	Not determined
Flash Point	> 200°F (Tagliabue Closed Cup)
Evaporation rate (Ether = 1)	Not available
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not applicable Upper Explosive Limit: Not applicable
Vapor pressure (Pa)	1 mmHg @ 200°F
Vapor Density	Not determined
Specific Gravity	1.51
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity (cSt)	Not available
VOC Content	0.36 lbs/gal (45 grams/litre)

9.2. Other information

No other relevant information.



SAFETY DATA SHEET

Revision Date: 7/15/2015

10. Stability and reactivity

10.1. Reactivity

Hazardous polymerization may occur if product is not handled as per instructions.

10.2. Chemical stability

This product requires another product to react at room temperature. Mix and use product in accordance with directions for safety. Excessive heat and fume generation can occur if improperly handled. Not sensitive to mechanical impact.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong acids, strong bases. Amines and mercaptans may initiate possible hazardous polymerization.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide, aldehydes, and various compounds from incomplete combustion.

11. Toxicological information

Acute toxicity

Based on the properties of the epoxy constituents and considering toxicological data on similar preparations this preparation may be an irritant and a skin and respiratory sensitizer. Low molecular weight epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and sensitization, possibly with cross-sensitization to other epoxies. Skin contact with the preparation and exposure to spray mist and vapor should be avoided.

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
Diglycidyl ether of bisphenol A - (25068-38-6)	> 5,000.00, Rat - Category: NA	20,000.00, Rabbit - Category: NA	No data available	No data available	No data available
TALC (Mg3H2(SiO3)4) - (14807-96-6)	No data available	No data available	No data available	No data available	No data available
Benzyl alcohol - (100-51-6)	1,230.00, Rat - Category: 4	2,000.00, Rabbit - Category: 4	No data available	4.178, Rat - Category: 4	No data available

EVERSTRONG
NANO-POXY
 SELF-PRIMING NANO-ENGINEERED EPOXY



SAFETY DATA SHEET

Revision Date: 7/15/2015

Iron oxide - (1309-37-1)	10,000.00, Rat - Category: NA	No data available	No data available	No data available	No data available
Titanium dioxide - (13463-67-7)	10,000.00, Rat - Category: NA	10,000.00, Rabbit - Category: NA	No data available	6.82, Rat - Category: NA	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	2	Causes skin irritation.
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

No additional information provided for this product. See Section 3 for chemical specific data.



SAFETY DATA SHEET

Revision Date: 7/15/2015

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Diglycidyl ether of bisphenol A - (25068-38-6)	3.10, Pimephales promelas	1.40, Daphnia magna	Not Available
TALC (Mg ₃ H ₂ (SiO ₃) ₄) - (14807-96-6)	Not Available	Not Available	Not Available
Benzyl alcohol - (100-51-6)	10.00, Lepomis macrochirus	55.00, Daphnia magna	700.00 (72 hr), Algae
Iron oxide - (1309-37-1)	Not Available	Not Available	Not Available
Titanium dioxide - (13463-67-7)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. 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

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated



SAFETY DATA SHEET

Revision Date: 7/15/2015

14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: Yes (Diglycidyl ether of bisphenol A)		
14.6. Special precautions for user			
No further information			

15. Regulatory Information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.		
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.		
WHMIS Classification	D2B		
US EPA Tier II Hazards	Fire:	No No	
	Sudden Release of Pressure:	No No	
	Reactive:	No No	
	Immediate (Acute):	Yes Yes	
	Delayed (Chronic):	No No	

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Chrome oxide (May be present, depending on the color.)

Proposition 65 - Carcinogens (>0.0%):

Chrome oxide (May be present, depending on the color.)



SAFETY DATA SHEET

Revision Date: 7/15/2015

TALC ($Mg_3H_2(SiO_3)_4$)

Titanium dioxide (May be present, depending on the color.)

Proposition 65 - Developmental Toxins (>0.0%):

Chrome oxide (May be present, depending on the color.)

Proposition 65 - Female Repro Toxins (>0.0%):

Chrome oxide (May be present, depending on the color.)

Proposition 65 - Male Repro Toxins (>0.0%):

Chrome oxide (May be present, depending on the color.)

New Jersey RTK Substances (>1%):

Iron oxide (May be present, depending on the color.)

TALC ($Mg_3H_2(SiO_3)_4$)

Titanium dioxide (May be present, depending on the color.)

Pennsylvania RTK Substances (>1%):

Benzyl alcohol

Iron oxide (May be present, depending on the color.)

TALC ($Mg_3H_2(SiO_3)_4$)

Titanium dioxide (May be present, depending on the color.)

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H315 Causes skin irritation.

EVERSTRONG
NANO-POXY
SELF-PRIMING NANO-ENGINEERED EPOXY



SAFETY DATA SHEET

Revision Date: 7/15/2015

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

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

Data and recommendations presented herein are based upon our research, and research performed by others and are believed to be accurate. It is the customer's sole responsibility to determine the suitability for his particular purpose.