

1. Product and Company Identification

Effective Date: 07-29-2010
Revision: 02

Nansulate EPX-4 Part A

Principal Use: Epoxy dispersion (Part A)

Industrial Nanotech, Inc.

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International: 1-239-254-0346

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International Fax: 1-239-254-1381

Only in the event of a transportation emergency involving a chemical spill, fire, etc., call CHEMTREC 1-800-424-9300.

2. Composition/Information on Ingredients

		<u>OSHA PEL</u>
Epoxy dispersion	---	Not listed
Insulating material	---	Not listed
Flame retardant	---	Not listed

Ingredients not precisely identified are proprietary or non hazardous.

3. Hazards Identification

Emergency Overview

<u>Appearance:</u>	Concrete-gray dispersion
<u>Physical Hazards:</u>	None
<u>Health Hazards:</u>	Irritant (skin, eyes and respiratory tract). Can cause skin allergic reaction. May be harmful if inhaled, absorbed through skin, or if swallowed.

* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

Potential Health Effects:

<u>General:</u>	No toxicity information is available on this specific preparation; this health assessment is based on the information that is available on its components.
<u>Ingestion:</u>	May be harmful if swallowed.
<u>Eye Contact:</u>	Causes severe eye irritation and may cause eye burns.
<u>Skin Contact:</u>	Can cause skin irritation.
<u>Skin Absorption:</u>	Can cause allergic skin reaction and may be harmful if absorbed through skin.

Inhalation: May be harmful if inhaled.

4. First Aid Measures:

First Aid - Eyes: Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.

First Aid - Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek immediate medical attention.

First Aid - Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

First Aid - Inhalation: Remove to fresh air. Seek immediate medical attention.

5. Fire Fighting Measures

Flashpoint and Method: >200 deg. F. (>93 deg. C.)

Autoignition Temperature: Not applicable

Flammable Limits: Not established

Extinguishing Media: Carbon dioxide, foam, dry chemical, water spray

Protective Equipment: Use self-contained breathing apparatus.

Unusual Fire: Decomposition and combustion products may be toxic.

Other Information: None

6. Accidental Release Measures

Spill Measures: Absorb onto sand or other absorbent material. Shovel into closable container for disposal. Wear skin, eye and respiratory protective equipment.

7. Handling and Storage

Handling: Do not get in eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Avoid tasting or swallowing. Use with adequate ventilation. Wash thoroughly after handling. Notice: Overexposure may have effects on blood, kidney and liver.

Storage: Keep container closed when not in use. Store in a cool, dry area.

8. Exposure Controls/Personal Protection

Exposure Guidelines: No ACGIH TLV or OSHA TLV assigned to this mixture. Use good industrial hygiene practices to minimize exposure.

Ventilation: Provide local exhaust if TLV is expected to be exceeded.

Respiratory Protection: Use NIOSH approved organic vapor cartridge respirator when vapor/mist exposure is likely.

Protective Clothing: Wear appropriate impervious protective clothing to prevent

	skin contact.
<u>Eye Protection Text:</u>	Wear chemical goggles.
<u>Other Protective Equipment</u>	Eyewash station and safety shower in work area.

9. Chemical and Physical Properties

<u>Appearance:</u>	Concrete-gray dispersion
<u>Boiling Point:</u>	Not determined
<u>Melting Point:</u>	Not determined
<u>Vapor Pressure:</u>	Not determined
<u>Vapor Density:</u>	Not determined
<u>Solubility in water:</u>	Miscible
<u>pH-value:</u>	Not determined
<u>Specific Gravity (Water = 1):</u>	7 - 7.5 lb/gal
<u>% Volatile:</u>	Not determined
<u>Explosive Properties:</u>	None

10. Stability and Reactivity

<u>Stability:</u>	Stable under normal conditions.
<u>Incompatibility - Conditions to Avoid:</u>	Strong oxidizing agents.
<u>Haz. Decomposition Products:</u>	Carbon dioxide, carbon monoxide, aldehydes
<u>Haz Polymerization:</u>	Will not occur.

11. Toxicological Information

<u>Possible Human Health Effects:</u>	
<u>Inhalation:</u>	May be harmful if inhaled.
<u>Skin Contact:</u>	Can cause skin irritation. Can cause allergic skin reaction and may be harmful if absorbed through skin.
<u>Eye Contact:</u>	Causes severe eye irritation and may cause eye burns.
<u>Ingestion:</u>	May be harmful if swallowed.
<u>Other Effects Of Overexposure:</u>	Overexposure may have effects on blood, kidney and liver.
<u>Note to Physician:</u>	Not applicable

12. Ecological Information

Do not release this product into the environment.

13. Disposal Consideration

<u>Disposal method</u>	Discarded product is not a hazardous waste under RCRA, 40
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Container disposal

CFR 261.

Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all liquid residue and puncture or otherwise destroy empty container before disposal.

14. Transport Information

Transport Hazard Description Not regulated

15. Regulatory Information

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are on the TSCA Chemical Substances Inventory

CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

California Proposition 65:

None

16. Other Information

We believe that the information contained in this data sheet is an accurate description of the typical characteristics and/or uses of the product or products, but it is the customer's responsibility to thoroughly test the product in each specific application to determine its performance, efficacy and safety for each end-use product, device or other application.

HMIS and NFPA Ratings

<u>Hazard:</u>	<u>HMIS Ratings:</u>	<u>NFPA Ratings:</u>
<u>Health:</u>	3	3
<u>Flammability:</u>	1	1
<u>Reactivity:</u>	0	0

HMIS and NFPA Hazard Rating Codes:

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Severe