

MATERIAL SAFETY DATA SHEET

Nanomyte™ PC-10

Product type: Aqueous Metal Oxide Suspension
Last revised date: 01-Aug-07

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Nanomyte™ PC-10
Application: Polymeric Coatings Additive

Manufacturer information: NEI Corporation
400 Apgar Drive
Unit E
Somerset, NJ 08873

Phone: 732-868-3141

2. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of: water, metal oxide, and proprietary chemical additives

Component:	wt%:	CAS-No.:	Hazard classification:
Metal oxide(s)	<20%	n/a	Non Hazardous as defined by the Dept. of Transportation, nor is it a dangerous good as defined by ICAO for air Transportation (as dry dust) PEL: 10mg/m3; TLV:10mg/m3
Water	>80%	7732-18-5	Non Hazardous
Trade Secret Ingredient (s)	<20%	n/a	Non Hazardous

Health Rating: 1 - Slight
Flammability Rating: 0 - None
Reactivity Rating: 0 - None
Contact Rating: 1 - Slight
Lab Protective Equip: GOGGLES; GLOVES; LAB COAT
Storage Color Code: Orange (General Storage)

Quantities contained in this product are not categorized as hazardous as defined by the Dept. of Transportation, nor are they dangerous goods as defined by ICAO for air transportation

TSCA inventory status: Included.

3. HAZARDS IDENTIFICATION

Emergency overview:
Not listed as a carcinogen by IARC, NTP, or OSHA.
May cause slight irritation to skin and eyes.

Potential Health effects

Eyes:

Slightly irritating, high concentrations can cause conjunctivitis, not corrosive.

Skin:

Non-irritating to rabbit skin and non-sensitizing to guinea pig skin. Very low toxicity by absorption.

Ingestion:

Very low toxicity.

Inhalation:

Spray mist or dry dust may cause congestion, coughing, granuloma in lungs.

4. FIRST-AID MEASURES

Eye contact:

In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists, seek medical advice.

Skin contact:

Wash affected area with a waterless hand cleaner and/or soap and water. If irritation persists, consult a physician.

Ingestion:

If material is swallowed, get immediate medical attention or advice. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Inhalation:

If inhaled, immediately remove the affected person to fresh air. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flash Point:	Not applicable
Method used:	Not applicable
Upper Flammable Limit (UFL):	Not applicable
Lower Flammable Limit (LFL):	Not applicable
Auto Ignition:	Not applicable
Flammability Classification:	Nonflammable
Rate of Burning:	Not applicable
General Fire Hazards:	Product is non-combustible
Hazardous Combustion Products:	None
Extinguishing media:	Dry chemical, foam, carbon dioxide (CO2), water fog

Fire Fighting Equipment/Instructions:

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

Clean-Up procedures:

Wear appropriate protective equipment and clothing during clean-up. Absorb spill with inert material. Shovel material into appropriate container for disposal.

Evacuation procedures:

Isolate area. Keep unnecessary personnel away.

Special procedures:

No information available for the product.

7. HANDLING AND STORAGE

Handling procedures:

Avoid contact with skin and eyes. Observe good industrial hygiene practices and wash thoroughly after handling.

Technical measures:

Work practice should minimize contact.

Technical precautions:

Local exhaust is recommended.

Storage procedures:

Store in tightly closed original container in a cool, well-ventilated place away from incompatible materials. Keep from freezing.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering controls:

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product

Personal Protective Equipment (PPE)

Eyes/Face:

Wear safety glasses, chemical goggles, or, a full face shield

Skin:

Use impervious gloves. Use of impervious apron and boots are recommended

Respiratory:

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Milky-white, low viscosity liquid
Odor:	Odorless to slight, amine-like
pH:	6-10
Physical State:	Liquid
Melting point:	32°F (0°C)
Boiling point:	212°F (100°C)

Flash point: N/A
Solubility (H2O): Dispersible

10. STABILITY AND REACTIVITY

Chemical stability:
This is a stable material.

Conditions to avoid:
None specific

Incompatibility:
None specific

Hazardous decomposition products:
None specific

11. TOXICOLOGICAL INFORMATION

Inhalation:
Not relevant at normal room temperatures.

Skin contact:
Prolonged contact may cause redness and irritation.

Eye contact:
May cause temporary eye irritation.

Ingestion:
No harmful effects expected in amounts likely to be ingested by accident.

12. ECOLOGICAL INFORMATION

Mobility:
This product is water soluble/miscible and may spread in water systems.

Degradability:
The degradability of the product has not been stated.

Ecotoxicity:
The product is not expected to be hazardous to the environment.

13. DISPOSAL CONSIDERATIONS

US EPA Waste number and descriptions

A: General Product Information
Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers
No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Waste Material:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Contaminated packaging:

Dispose of contaminated packaging as residue.

14. TRANSPORT INFORMATION

The product is not regulated as hazardous by the Dept. of Transportation or IATA.

15. REGULATORY INFORMATION

Precautionary label:

Do not freeze

16. OTHER INFORMATION

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This is the end of the Nanomyte™ PC-10 MSDS.