

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: NANOMYTE® PT-20 (Part B)
CAS Number: A CAS number has not been assigned to this material

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses: Pretreatment coating for steel / metals

1.3 Details of the Supplier of the Safety Data Sheet

Company: NEI Corporation
Address: 400 Apgar Drive, Unit E | Somerset, NJ 08873 – USA
Phone: +1 (732) 868-3141 Fax: +1 (732) 868-3143
Email: productinfo@neicorporation.com

1.4 Emergency Telephone Numbers

Manufacturer: +1 (732) 868-3142 (9am to 6pm EST / UTC -0500)
U.S. Poison Control Center: +1 (800) 222-1222
ChemTel (North America): +1 (800) 255-3924 (during transportation only)
ChemTel (International): +1 (813) 248-0585 (during transportation only – collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

The information in this SDS is related to the components of this material and may not reflect all hazards of this product.

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin Corrosion / Irritation (Category 2), H315
Skin Sensitization (Category 1), H317
Eye Irritation (Category 2), H319
Aquatic Toxicity, chronic (Category 2), H411

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word: Warning

Hazard Statements:

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

Precautionary Statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin 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 / protective clothing / eye & face protection
P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice / attention.
P337 + P313 IF EYE irritation persists: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse.
P391 Collect spillage. Hazardous to the aquatic environment.

P405 Store locked up.

P501 Dispose of contents / container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None known

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Component	CAS #	Hazard Classifications	Concentration
Water (H ₂ O)	7732-18-5	n/a	90% – 99%
Bisphenol A Diglycidyl Ether	25085-99-8	Skin Corr. 2; Skin Sens. 1; Eye Irr. 2; Aq. Tox. 2	0.5% – 5%
Trade Secret	n/a	Unknown	0.5% – 5%

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice to Responder:

Use personal protective equipment as required. Avoid direct contact. Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

After Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms occur obtain medical attention.

After Skin Contact:

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Wash contaminated clothing before reuse. If irritation develops and persists, get medical attention.

After Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Get medical attention if eye irritation develops or persists.

After Ingesting:

Unlikely route of exposure. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. If symptoms occur obtain medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Causes irritation to eyes and skin. May cause sensitization by skin contact. Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Suitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.

5.2 Special Hazards Arising from the Substance or Mixture

Not flammable. May decompose in a fire giving off toxic fumes. Epoxy resins release phenolics, carbon monoxide, and water.

5.3 Advice for Firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

5.4 Further Information

Avoid run off to waterways and sewers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

Use personal protective equipment. Ensure adequate ventilation. Do not breathe fumes / vapor from heated product. Avoid

contact with skin and eyes. Stop leak if safe to do so. Evacuate personnel to safe areas. Ventilate area and wash spill site after material pickup is complete.

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and Materials for Containment and Cleaning Up

Contain spillages. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

Dispose of this material & its container as hazardous waste. Residual resin may be removed using steam or hot soapy water.

6.4 Reference to Other Sections

For safe handling, see Section 7; for personal protection, see Section 8; for disposal, see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Ensure operatives are trained to minimize exposures. Ensure adequate ventilation. Do not breathe fumes/vapor from heated product. In case of inadequate ventilation wear respiratory protection. Avoid contact with skin and eyes. Wear personal protective equipment at all times. Do not eat, drink or smoke when using this product. For precautions see section 2.2.

7.2 Conditions for Safe Storage (including any incompatibilities)

Keep only in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in ambient temperatures.

7.3 Specific End Uses

A part from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Components with workplace control parameters:

Contains no substances with occupational exposure limit values.

8.2 Exposure Controls

Appropriate Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Keep work clothes separately. Keep away from food and beverages. Provide good ventilation or extraction. Safety shower and eye bath recommended. Wash hands before breaks & after workday.

Personal Protective Equipment

Eye / Face Protection:

Wear protective eye glasses for protection against liquid splashes. Use equipment for eye protection with side protection, tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection:

Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested with an acceptable permeation test. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection:

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection:

Normally no personal respiratory protection is necessary. In case of inadequate ventilation wear respiratory protection.

Control of Environmental Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Form: Liquid

Color: White (milky)
Odor: No Data Available
pH: ~8
Melting Point / Range: No Data Available
Initial Boiling Point / Range: No Data Available
Flashpoint: No Data Available
Evaporation Rate: No Data Available
Flammability (solid, gas): No Data Available
Upper Explosion Limit: No Data Available
Lower Explosion Limit: No Data Available
Vapor Pressure: No Data Available
Vapor Density: No Data Available
Relative Density: No Data Available
Water Solubility: Very Soluble
Auto-ignition Temperature: No Data Available
Decomposition Temperature: No Data Available
Viscosity: No Data Available
Explosive Properties: No Data Available

9.2 Other Information

No further information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No Data Available

10.2 Chemical Stability

Stable under recommended storage conditions (see Section 7.2)

10.3 Possibility of Hazardous Reactions

No Data Available

10.4 Conditions to Avoid

No Data Available

10.5 Incompatible Materials

Alkalis (strong bases), acids, amines, and oxidizing agents

10.6 Hazardous Decomposition Products

No Data Available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute Toxicity

Oral LD50: No Data Available
Inhalation LC50: No Data Available
Dermal LD50: No Data Available
Other Information: No Data Available

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

May cause an allergic skin reaction. Sensitization may occur.

Germ cell mutagenicity

No Data Available

Carcinogenicity

IARC: No components of this product, present at levels greater than or equal to 0.1%, are identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No components of this product, present at levels greater than or equal to 0.1%, are identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No components of this product, present at levels greater than or equal to 0.1%, are identified as a known or anticipated carcinogen by NTP.

OSHA: No components of this product, present at levels greater than or equal to 0.1%, are identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No Data Available

Teratogenicity

No Data Available

Specific target organ toxicity - single exposure (Globally Harmonized System)

No Data Available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No Data Available

Aspiration hazard

No Data Available

Additional Information

The chemical, physical, and toxicological properties of this product have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

The toxicological properties of this material have not been fully investigated.

12.2 Persistence and Degradability

No Data Available

12.3 Bioaccumulative Potential

No Data Available

12.4 Mobility in Soil

No Data Available

12.5 Results of PBT and vPvB Assessment

PBT/vPvB assessment not available as chemical safety assessment not conducted

12.6 Other Adverse Effects

This product contains a component known to be hazardous to the aquatic environment, with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose of this material and its container as hazardous waste. Send after pre-treatment to an appropriate hazardous waste incinerator facility in accordance with federal, state and local requirements.

SECTION 14: TRANSPORT INFORMATION

14.1 Department of Transportation (DOT - US)

UN number: 3082

Class: 9

Packing Group: III

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Diglycidyl Ether)

14.2 International Maritime Dangerous Goods (IMDG)

UN number: 3082 Class: 9 Packing Group: III
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Diglycidyl Ether)
Other: Classified as a marine pollutant

14.3 International Air Transport Association (IATA)

UN number: 3082 Class: 9 Packing Group: III
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Diglycidyl Ether)

14.4 Additional Transport Information

HS Code / Schedule B #: 3208.90.0000

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

The following product components are cited on the lists below:

<u>Component</u>	<u>CAS #</u>	<u>List Citations</u>
Bisphenol A Diglycidyl Ether	25085-99-8	NJ, PA Right to Know

CALIFORNIA PROPOSITION 65

This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

15.2 Chemical Safety Assessment

A chemical safety assessment was not carried out for this product

SECTION 16: OTHER INFORMATION

REACH Number

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

Full text of Hazard Classifications referred to under Section 3

Skin Corr. 2: Skin Corrosion / Irritation (Category 2)
Skin Sens. 1: Skin Sensitization (Category 1)
Eye Irr. 2: Eye Irritation (Category 2)
Aq. Tox. 2: Aquatic Toxicity, chronic (Category 2)

HMIS Classification

Health Hazard: 3
Flammability Hazard: 1
Physical Hazard: 1

NFPA Rating

Health Hazard: 3
Flammability Hazard: 1
Reactivity Hazard: 1

Further Information

NEI has attempted to provide current and accurate information to the best of its knowledge. NEI makes no representations regarding the accuracy or completeness of the information and assumes no liability for any loss, damage, injury of any kind which may result from or arise out of the use of or reliance on the information by any person. Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

– END OF SDS –