

**SECTION 1: PRODUCT & COMPANY IDENTIFICATION****1.1 Product Identifiers**

Product Name: NANOMYTE® NAB-70

Product Description: Sodium Manganese Phosphate powder

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

Identified Uses: Scientific research and development, laboratory use, chemical, cathode

**1.3 Details of the Supplier of the Safety Data Sheet**

Company: NEI Corporation

Address: 400 Apgar Drive, Unit E – Somerset, NJ 08873 – United States of America

Phone: +1 (732) 868-3141

Fax: +1 (732) 868-3143

Email: productinfo@neicorporation.com

**1.4 Emergency Telephone Number**

Manufacturer: +1 (732) 868-3142 (9am to 6pm EST / UTC -0500)

U.S. Poison Control Center: +1-800-222-1222

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the Substance or Mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Not a hazardous substance or mixture (hazards unknown)

**2.2 GHS Label elements, including precautionary statements****Hazard Statement(s):**

Not a hazardous substance or mixture (hazards unknown)

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

None

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS****3.1 Substances**

Component Name	Synonyms	Formula	CAS #	Weight %
Sodium Manganese Phosphate	n/a	NaMnPO <sub>4</sub>	Unknown*	≤ 100%

*\*See Section 16***SECTION 4: FIRST AID MEASURES****4.1 Description of First Aid Measures****General Advice:**

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

**After Inhalation:**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**After Skin Contact:**

Wash off with soap and plenty of water.

**After Eye Contact:**

Flush eyes with water as a precaution.

**After Swallowing:**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**4.2 Most Important Symptoms and Effects, Both Acute and Delayed**

The hazards of this material are unknown, therefore undocumented or unforeseen health risks may be present.

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

No data available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special Hazards Arising from the Substance or Mixture

Oxides of phosphorus, Sodium oxides, Manganese oxides

### 5.3 Advice for Firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Other Information

No Data Available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

Use personal protective equipment at all times. Wear respiratory protection. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

### 6.2 Environmental Precautions

Do not let product enter drains.

### 6.3 Methods and Materials for Containment and Cleaning Up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 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

The hazards of this substance are unknown. Exercise extreme caution when handling this product and implement rigorous safety measures. Use personal protective equipment at all times. Avoid contact with skin & eyes. Avoid breathing dust. Provide appropriate exhaust ventilation at places where dust is formed.

### 7.2 Conditions for Safe Storage (including any incompatibilities)

Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): 13: Non Combustible Solids

### 7.3 Specific End Uses

Apart 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

Occupational exposure limit values are unknown for this product.

### 8.2 Exposure Controls

#### Appropriate Engineering Controls

Handle in accordance with good industrial hygiene and safety practice.

#### Personal Protective Equipment

##### Eye / Face Protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin Protection:

Handle with gloves. 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:**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory Protection:**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of Environmental Exposure**

Do not let product enter drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on Basic Physical and Chemical Properties**

Physical State:	Solid (powder)
Color:	Tan, light brown
Odor:	Odorless
Odor Threshold:	No Data Available
pH:	No Data Available
Melting Point / Range:	No Data Available
Boiling Point / Range:	No Data Available
Flash Point:	No Data Available
Evaporation Rate:	No Data Available
Flammability:	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:	No Data Available
Partition Coefficient:	No Data Available
Auto-ignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Viscosity:	No Data Available

**9.2 Other Safety Information**

None

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

No Data Available

**10.2 Chemical Stability**

Stable under recommended storage conditions

**10.3 Possibility of Hazardous Reactions**

No Data Available

**10.4 Conditions to Avoid**

No Data Available

**10.5 Incompatible Materials**

No Data Available

## 10.6 Hazardous Decomposition Products

Other Decomposition Products: No Data Available (in the event of fire: see Section 5)

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

#### Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Manganese Phosphate	No data available	No data available	No data available

#### Skin corrosion/irritation

No Data Available

#### Serious eye damage/eye irritation

No Data Available

#### Respiratory or skin sensitization

No Data Available

#### Germ cell mutagenicity

No Data Available

#### Carcinogenicity

No classification data on carcinogenic properties of this material is available from EPA, IRAC, NTP, OSHA or ACGIH.

#### 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

Comprehensive toxicological studies are not available, therefore the hazards of this substance remain undetermined. This lack of data should not be interpreted as an absence of risk. It is imperative to handle this material with due diligence and in accordance with best industrial hygiene practices.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

No Data Available

### 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 PBT and vPvB Assessment

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

### 12.6 Other Adverse Effects

No Data Available. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods – Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

### 13.2 Waste Treatment Methods – Contaminated Packaging

Dispose of as unused product.

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## SECTION 14: TRANSPORT INFORMATION

### 14.1 Department of Transportation (DOT - US)

Not dangerous goods

### 14.2 International Maritime Dangerous Goods (IMDG)

Not dangerous goods

### 14.3 International Air Transport Association (IATA)

Not dangerous goods

### 14.4 Additional Transport Information

HS Classification #: 2835.39

Schedule B #: 2835.39.0000

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## 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

This product does not contain any chemicals subject to the reporting requirements of SARA Section 311/312.

#### CALIFORNIA PROPOSITION 65

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

### 15.2 Chemical Safety Assessment

A chemical safety assessment was not carried out for this product.

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## 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.

### Additional Notes

To our knowledge, the CAS number for Sodium Manganese Phosphate ( $\text{NaMnPO}_4$ ) is unknown or has not been assigned to this material yet.

Insufficient toxicological and safety data exists to fully assess the hazards of this material. This lack of information does not imply the absence of hazards. Undocumented or unforeseen health and safety risks may be present. Handle with care and utilize appropriate safety precautions.

### 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 –