

## SAFETY DATA SHEET

Version 2.1

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### Section 1 - Product and Company Information

**Product Name** NanoVan™

**Product Number** 2011

**Company** Nanoprobes, Inc

**Address** 98 Horse Block Road, Yaphank, NY 11980, US

**Technical Phone:** 877-447-6266

**Fax:** 631-205-9493

**Emergency Phone:** 631-205-9490

### Section 2 - Hazards Identification

#### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008: The substance is not classified according to the CLP regulation. The material should be treated with caution

#### GHS Label elements, including precautionary statements

No information found

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

No information found

### Section 3 - Composition/Information on Ingredients

Ingredient Name	CAS #	Percent
Methylamine vanadate	N/A	2 %(w/w)
Deionized water	7732-18-5	98 % (w/w)

#### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** : Laboratory chemicals. Use as a negative stain for TEM

### Section 4 - First Aid Measures

#### ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

#### INHALATION EXPOSURE

If inhaled, remove to fresh air. If not breathing give artificial respiration. Call a physician.

#### **DERMAL EXPOSURE**

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

#### **EYE EXPOSURE**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

#### **Most important symptoms and effects, both acute and delayed**

No data available

#### **Indication of any immediate medical attention and special treatment needed**

No data available

### **Section 5 - Fire Fighting Measures**

#### **FLASH POINT**

N/A

#### **AUTOIGNITION TEMP**

N/A

#### **FLAMMABILITY**

N/A

#### **EXTINGUISHING MEDIA**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

#### **Special hazards arising from the substance or mixture**

No data available

#### **FIREFIGHTING**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **Section 6 - Accidental Release Measures**

#### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

#### **Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal

## Section 7 - Handling and Storage

### HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### STORAGE

Suitable: Keep container closed. Refrigerate on arrival.  
Store at 2-8°C.

### Specific end use(s)

Apart from the uses mentioned in section 2, no other specific uses are stipulated

## Section 8 - Exposure Controls / Personal Protection Control parameters

### ENGINEERING CONTROLS

Ensure adequate ventilation, especially in confined areas

### PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Impervious gloves.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

### Environmental exposure controls

Prevent product from entering drains

## Section 9 - Physical/Chemical Properties

**Appearance:** Colorless to pale yellow aqueous solution

Odor	N/A
pH	8.0
BP/BP Range	N/A
MP/MP Range	N/A
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Water Solubility	Soluble
Decomposition Temperature	N/A
Viscosity	N/A
Oxidizing properties	N/A

N/A = not available

## Section 10 - Stability and Reactivity

### Reactivity

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

No data available

**Incompatible materials**

No data available

**Hazardous decomposition products**

No data available

**Section 11 - Toxicological Information**

**Information on toxicological effects**

**Acute toxicity**

No data available

**Inhalation**

No data available

**Dermal**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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

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

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information Repeated dose toxicity**

No data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

**Section 12 - Ecological Information****Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

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

**Other adverse effects**

No data available

**Section 13 - Disposal Considerations****Waste treatment methods****Product**

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

**Contaminated packaging**

Dispose of as unused product.

**Section 14 - Transport Information****DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**Section 15 - Regulatory Information****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**

No SARA Hazards

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

No components are subject to the Pennsylvania Right to Know Act

**New Jersey Right To Know Components**

No components are subject to the New Jersey Right to Know Act

**California Prop. 65 Components**

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

**Section 16 - Other Information****DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

**WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Nanoprobes Inc., shall not be held liable for any damage resulting from handling or from contact with the above product.