

SAFETY DATA SHEET

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Section 1 - Product and Company Information

Product Name NanoVan™
Product Number 2011-5 mL
Company Nanoprobes, Inc
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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:	Clear aqueous solution
Odor	N/A
pH	N/A
BP/BP Range	100°C
MP/MP Range	0°C
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Water Solubility	Soluble

Relative density:	1.00 g/cm ³
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

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions - No data available In the event of fire: see section 5

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 data available.

NTP: No data available

OSHA: No data available

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)

No Information Found

IMDG

No Information Found

IATA

No Information Found

Section 15 - Regulatory Information

SARA 302 Components

No Information Found

SARA 313 Components

No Information Found

SARA 311/312 Hazards

No Information Found

Massachusetts Right To Know Components

No Information Found

Pennsylvania Right To Know Components

No Information Found

New Jersey Right To Know Components

No Information Found

California Prop. 65 Components

No Information Found

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.