

Material Safety Data Sheet

----- 1. - Chemical Product and Company Identification -----

Synonym: Nanolok™ WR
Nanolok™ WR 301409

InMat Inc.
216 Route 206 Suite 7
Hillsborough, NJ 08844 United States

----- 2. - Composition/Information on Ingredients -----

<u>Chemical Name</u>	<u>CAS Number</u>	<u>TSCA Status</u>	<u>EINECS Status</u>
Water	7732-18-5	Yes	Yes
Urethane Resin	not assigned	Yes	Yes
Chemically delaminated vermiculite	Mixture-NA	Yes	Yes
Modified polyvinyl alcohol	26221-27-2	Yes	Yes

This product is not considered hazardous as defined by the OSHA Hazard Communications Standard (29 CFR 1910.1200)

----- 3. - Hazards Identification -----

Emergency Overview: Milky, colloid mixture. Slight acidic odor. Low hazard for usual industrial or commercial handling.

Effects of Overexposure - Eye Contact: Eye contact may cause slight irritation.

Effects of Overexposure - Skin Contact: No hazard expected in normal industrial use.

Effects of Overexposure - Inhalation: No inhalation hazard expected during normal workplace use.

Effects of Overexposure - Ingestion: Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Effects of Overexposure - Chronic Hazards: None expected under normal working conditions.

Primary Route(s) of Entry: Skin contact, inhalation, ingestion, eye contact.

----- **4. - First Aid Measures** -----

Skin: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

Eyes: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

Inhalation: This material is not likely to be hazardous by inhalation. However, if exposed to excessive levels of vapor or mist, remove to fresh air, give oxygen if breathing is difficult, and get immediate medical attention.

Ingestion: If swallowed, do not induce vomiting. Give victim one or two glasses of water or milk. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious person.

----- **5. - Fire Fighting Measures** -----

Flammable Properties: Flash Point: >200F

Autoignition Temperature: N.D.

OSHA Flammability Classification: Combustible liquid - Class IIIB

Extinguishing Media: CO2, foam, water, fog, or dry chemical.

Unusual Fire and Explosion Hazards: Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool.

Special Fire Fighting Procedures: Wear full fire fighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

----- **6. - Accidental Release Measures** -----

* For more information, see regulatory section 15.

Procedures in Case of Spill or Leak: Avoid breathing vapors. Notify appropriate authorities if necessary. Contain and remove with inert absorbent material. Avoid contact. Keep non-essential personnel away from spill area. Before attempting cleanup, refer to hazard caution information in other sections of the MSDS form.

----- 7. - Handling and Storage -----

Handling: Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation.

Storage: Store only in well-ventilated areas. Keep from freezing. Keep container closed when not in use.

----- 8. - Exposure Controls/Personal Protection -----

Engineering Controls: Provide adequate general ventilation where this product is used.

Personal Protective Equipment:

Skin: Use neoprene, nitrile, or rubber gloves to prevent skin contact.

Eyes: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

Inhalation: Respiratory protection is not required under normal working conditions where adequate ventilation is present.

Other Protective Equipment: Remove and wash contaminated clothing before reuse.

Hygienic Practices: Wash hands before eating, smoking or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

----- 9. - Physical and Chemical Properties -----

Appearance:	Milky colloid
Odor:	none
Physical State:	Liquid
Vapor Pressure:	N.D.
Boiling Range:	~ 212 oF (~ 100 oC)
Specific Gravity:	N.D.
Solubility in Water:	Colloid
Vapor Density:	Heavier than air
Odor Threshold:	N.D.
Evaporation Rate:	Slower than ether
Density:	N.D.

----- 9. - Physical and Chemical Properties cont.-----

Freeze Point: N.D.
Volatile by Weight: 82-90%
pH: 7-8.5
Coefficient of Water/Oil Distribution: N.D.

(See section 16 for abbreviation legend)

----- 10. - Stability and Reactivity -----

Stability: This product is stable under normal storage conditions.

Conditions to Avoid: Temperatures above 90C.

Incompatibilities: Strong acid, bases and strong oxidizers.

Hazardous Combustion Products: May contain CO, CO2, oxides of nitrogen.

Hazardous Polymerization: Will not occur under normal conditions.

----- 11. - Toxicological Information -----

No product toxicological information is available.

----- 12. - Ecological Information -----

Ecological Information: No information.

----- 13. - Disposal Considerations -----

Disposal Method: Disposal should be done in accordance with Federal (40 CF Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

----- 14. - Transport Information -----

D.O.T. Proper Shipping Name: Not regulated

1996 Emergency Response Guide: No

DOT Hazard Class: None

DOT UN/NA Number: None

Packing Group: No

----- 15. - Regulatory Information -----

U. S. Federal Regulations

This substance is an experimental solution and all components of this mixture are believed to be listed on the TSCA Inventory.

This material does not contain any chemicals identified under Section 12(b) of TSCA.

This solution contains no toxic substance subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

----- 16. - Other Information -----

HMIS Ratings - Health: 1 Flammability: 1 Reactivity: 0

Reason for Revision: New MSDS

Volatile Organic Compounds (VOCS): 0.0 lbs/gal

Legend: N.A. - Not Applicable
 N.E. - Not Established
 N.D. - Not Determined

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Preparation Date: 9/14/10

Origination Date: 9/8/99

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