

Material Safety Data Sheet



VitreOx™ Anti-Fog Optical Solution

Date of Preparation: 1-1-15

Revision: 5/27/2015, 6/27/2016, 10/27/2018

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: VitreOx™

General Use: Anti-fogging agent

Manufacturer: SiO₂ Nanotech, LLC, 275 N. Gateway Drive Suite 126, Phoenix Arizona 85034 e-mail: nherbots@siO2nanotech.com

Phone: 1-480-980-4580 Hours of Operations: 9:00 -6:00 - Mon - Fr - Emergency Phone: 1-480-980-4580

Section 2 - Composition / Information on Ingredients

No components need to be disclosed according to the applicable regulations.

HMIS Rating Health hazard: 0

Chronic Health Hazard: 0

Flammability: 0

Physical Hazard: 0

NFPA Rating: 0

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

Section 3 - Hazards Identification

Emergency Overview

Potential Health Effects

Primary Entry Routes: Inhalation, eyes, skin.

Target Organs: NA

Acute Effects: NA

Carcinogenicity: No data available.

Medical Conditions Aggravated by Long-Term Exposure: NA

Chronic Effects: NA

Section 4 - First Aid Measures

Inhalation: If breathed in, move person to fresh air as a precaution.

Eye Contact: Flush eyes with water as a precaution.

Skin Contact: Rinse skin with water as a precaution.

Ingestion: Never give anything to unconscious person. Rinse mouth with water.

Section 5 - Fire-Fighting Measures

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

Section 6 - Accidental Release Measures

For personal protection see section 8.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Wipe-up with paper towels, or anything appropriate for quantity. Use soap and water to completely remove from the surface.

Keep in suitable, closed containers for disposal. See section 13 for disposal.

Section 7 - Handling and Storage

Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Non Combustible Liquid

Specific end use(s): Apart from the uses mentioned in section 1 no other specific uses are stipulated

Section 8 - Exposure Controls / Personal Protection

Eye/face, skin, and 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.

No special environmental precautions required.

Section 9 - Physical and Chemical Properties

Appearance and Odor: Clear solid Slight yellow when wet	Boiling Point: No Data Available
Vapor Pressure: No Data Available	Melting Point: No Data Available
Vapor Density (Air=1): No Data Available	Flash Point: No Data Available
Specific Gravity (H₂O=1): No Data Available	Evaporation Rate(butyl acetate=1): No Data Available
	Solubility in Water: No Data Available

Section 10 - Stability and Reactivity

Stability: VitreOx™ is stable at room temperature in closed containers under normal storage and handling conditions.
Polymerization: NA
Chemical Incompatibilities: NA
Conditions to Avoid: NA
Hazardous Decomposition Products: NA

Section 11 - Toxicological Information

Toxicity Data:

Eye Effects: No effects expected.	Acute Inhalation Effects: This material is not toxic to the skin of pigs by inhalation.
Skin Effects: This material is not lethal when applied to the skin of pigs.	Acute Oral Effects: This material is not toxic when administered orally to pigs.
	Chronic Effects: No chronic effects expected

Section 12 - Ecological Information

Ecotoxicity: NA
Environmental Transport: NA
Environmental Degradation: NA

Section 13 - Disposal Considerations

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
 Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

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 (DeMinimis) reporting levels established by SARA Title III, Section 313.
 SARA 311/312 Hazards: No SARA Hazards

Section 16 - Other Information

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Additional Hazard Rating Systems: None

Disclaimer: The information given and the recommendations made herein apply to our product(s) alone and not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.