



# VAI WFI QUALITY WATER AEROSOL

## Safety Data Sheet

VELTEK ASSOCIATES, INC.

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 10/5/2011 Revision date: 1/13/2023 Supersedes: 3/9/2020 Version: 5.1

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : VAI WFI QUALITY WATER AEROSOL  
Product code : SDS VEL-028-A

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Cleaner  
Industrial use

#### 1.3. Supplier

Veltek Associates, Inc.  
15 Lee Blvd  
Malvern, PA 19355-1234 USA  
Telephone: +1 610-644-8335 - Fax: +1 610-644-8336  
E-mail: vai@sterile.com

In Canada distributed by:  
Canada Clean Room (CCR)  
20 Cope Dr.  
Kanata, ON K2M 2V8, Canada  
Telephone: 1-(888)-595-8070

#### 1.4. Emergency telephone number

Emergency number : CARECHEM 24: 1-215-207-0061  
1-866-928-0789 (toll free USA)  
Canada: 1-800-579-7421 (toll free)  
Mexico: +52-55-5004-8763

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Simple Asphyxiant : SIAS  
Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Signal word (GHS US) : Warning  
Hazard statements (GHS US) : May displace oxygen and cause rapid suffocation

#### 2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Pressurized container: may burst if heated.

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available

# VAI WFI QUALITY WATER AEROSOL

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Water	CAS-No.: 7732-18-5	100	Not classified
Nitrogen	CAS-No.: 7727-37-9	< 1	Simple Asphy, SIAS

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Not required for normal conditions of use. If symptoms develop, obtain medical attention.
First-aid measures after skin contact	: Not required for normal conditions of use. If symptoms develop, obtain medical attention.
First-aid measures after eye contact	: Not required for normal conditions of use. If symptoms develop, obtain medical attention.
First-aid measures after ingestion	: Not required for normal conditions of use. If symptoms develop, obtain medical attention.

#### 4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms	: Not expected to present a significant hazard under anticipated conditions of normal use. Aerosol propellant: Nitrogen: In high concentrations may cause asphyxiation. Direct prolonged contact with propellant can cause frostbite.
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#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None known.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Not flammable.
Explosion hazard	: Pressurized container: may burst if heated.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Move containers from fire area if you can do it without risk. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire.

# VAI WFI QUALITY WATER AEROSOL

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate area. Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Liquid: Absorb spillage to prevent material-damage. Dispose used or damaged aerosol cans at permitted disposal sites.

#### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat. Pressurized container: may burst if heated. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from heat. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep in a cool, well-ventilated place.

Incompatible materials : Water-reactive materials.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Nitrogen (7727-37-9)

##### USA - ACGIH - Occupational Exposure Limits

Local name	Nitrogen
Remark (ACGIH)	TLV® Basis: Simple Asphyxiant
Regulatory reference	ACGIH 2022

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Use only in well ventilated areas.

Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Not required for normal conditions of use.

# VAI WFI QUALITY WATER AEROSOL

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>Hand protection:</b>
Not required for normal conditions of use
<b>Eye protection:</b>
Not required for normal conditions of use. Wear goggles or safety glasses with side shields if contact with the eyes is possible
<b>Skin and body protection:</b>
Wear suitable working clothes
<b>Respiratory protection:</b>
Not required for normal conditions of use. Risk of asphyxiation in confined spaces. In confined space use self-contained breathing apparatus

**Thermal hazard protection:**

Not required for normal conditions of use.

**Other information:**

Direct prolonged contact with propellant can cause frostbite. Handle in accordance with good industrial hygiene and safety procedures.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, Colorless. Aerosol.
Color	: Clear Colorless
Odor	: Odorless
Odor threshold	: No data available
pH	: 6 – 7
Melting point	: 0 °C (32 °F)
Freezing point	: No data available
Boiling point	: 100 °C (212 °F)
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: Not applicable
Relative density	: 1 (Water = 1)
Solubility	: Water: 100 % (Miscible)
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable
Explosive properties	: Not explosive.
Oxidizing properties	: Not oxidizing.

### 9.2. Other information

No additional information available

# VAI WFI QUALITY WATER AEROSOL

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

#### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

Pressurized container: may burst if heated.

#### 10.4. Conditions to avoid

Keep away from heat. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

#### 10.5. Incompatible materials

Water-reactive materials.

#### 10.6. Hazardous decomposition products

None known.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 6 – 7
Serious eye damage/irritation	: Not classified pH: 6 – 7
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Potential Adverse human health effects and symptoms	: Not expected to present a significant hazard under anticipated conditions of normal use. Aerosol propellant: Nitrogen: In high concentrations may cause asphyxiation. Direct prolonged contact with propellant can cause frostbite.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

# VAI WFI QUALITY WATER AEROSOL

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 12.2. Persistence and degradability

#### VAI WFI QUALITY WATER AEROSOL

Persistence and degradability	Not relevant for inorganic substances.
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### 12.3. Bioaccumulative potential

#### VAI WFI QUALITY WATER AEROSOL

Bioaccumulative potential	No potential for bioaccumulation.
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### 12.4. Mobility in soil

#### VAI WFI QUALITY WATER AEROSOL

Ecology - soil	Miscible with water.
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### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

DOT NA No	: UN1950
UN-No. (TDG)	: UN1950
UN-No. (IMDG)	: 1950
UN-No. (IATA)	: 1950

### 14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Aerosols
Proper Shipping Name (TDG)	: AEROSOLS
Proper Shipping Name (IMDG)	: AEROSOLS
Proper Shipping Name (IATA)	: Aerosols, non-flammable

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT)	: 2.2
Hazard labels (DOT)	: 2.2



#### TDG

Transport hazard class(es) (TDG)	: 2.2
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# VAI WFI QUALITY WATER AEROSOL

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Hazard labels (TDG) : 2.2



### IMDG

Transport hazard class(es) (IMDG) : 2.2

Hazard labels (IMDG) : 2.2



### IATA

Transport hazard class(es) (IATA) : 2.2

Hazard labels (IATA) : 2.2



## 14.4. Packing group

Packing group (DOT) : Not applicable

Packing group (TDG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

## 14.5. Environmental hazards

Other information : No supplementary information available.

## 14.6. Special precautions for user

### DOT

UN-No.(DOT) : UN1950

DOT Packaging Exceptions (49 CFR 173.xxx) : 306

DOT Packaging Non Bulk (49 CFR 173.xxx) : None

DOT Packaging Bulk (49 CFR 173.xxx) : None

DOT Quantity Limitations Passenger aircraft/rail (49

CFR 173.27) : 75 kg

DOT Quantity Limitations Cargo aircraft only (49

CFR 175.75) : 150 kg

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

DOT Vessel Stowage Other : 25 - Protected from sources of heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

### TDG

UN-No. (TDG) : UN1950

# VAI WFI QUALITY WATER AEROSOL

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

TDG Special Provisions	: 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment), 107 - (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray.
Explosive Limit and Limited Quantity Index	: 1 L
Excepted quantities (TDG)	: E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 75 L
Emergency Response Guide (ERG) Number	: 126

### IMDG

No data available

### IATA

No data available

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### VAI WFI QUALITY WATER AEROSOL

SARA Section 311/312 Hazard Classes	Health hazard - Simple asphyxiant
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Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Nitrogen	7727-37-9	Present	Active	
Water	7732-18-5	Present	Active	

#### Nitrogen (7727-37-9)

SARA Section 311/312 Hazard Classes	Health hazard - Simple asphyxiant
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### 15.2. International regulations

#### CANADA

#### Nitrogen (7727-37-9)

Listed on the Canadian DSL (Domestic Substances List)

#### Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available



# VAI WFI QUALITY WATER AEROSOL

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### National regulations

#### Nitrogen (7727-37-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Water (7732-18-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Nitrogen(7727-37-9)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Revision date : 1/13/2023  
Data sources : US OSHA HazCom (GHS) 25 May 2012.

Abbreviations and acronyms	
	ACGIH (American Conference of Government Industrial Hygienists)
	ATE (Acute Toxicity Estimate)
	CAS (Chemical Abstracts Service) number
	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	OECD (Organisation for Economic Co-operation and Development)
	OSHA (Occupational Safety and Health Administration) (US)
	PBT (Persistent, Bioaccumulative and Toxic)
	QSAR (Quantitative Structure-Activity Relationship)
	SADT (Self-Accelerating Decomposition Temperature)
	STEL (Short Term Exposure Limit)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)

# VAI WFI QUALITY WATER AEROSOL

## Safety Data Sheet

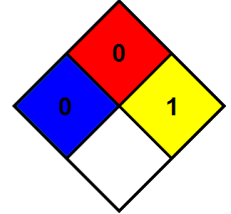
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Abbreviations and acronyms	
	vPvB (very Persistent and very Bioaccumulative)

NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



Hazard Rating

Health : 0 Minimal Hazard - No significant risk to health

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Indication of changes:			
Section	Changed item	Change	Comments
8	Exposure controls / Personal protection equipment	Modified	No additional information available
15	Regulatory information	Modified	No additional information available

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