



# DECON-CLEAN<sup>®</sup> WFI FORMULA 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: 4/4/2022 Supersedes: 1/26/2017 Version: 3.1

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : DECON-CLEAN<sup>®</sup> WFI FORMULA AEROSOL  
Product code : SDS VEL-031

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

Use of the substance/mixture : Residue remover  
Product for industrial use only

#### 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: (888)595-8070

#### 1.4. Emergency telephone number

Emergency number : CARECHEM 24: 1-215-207-0061  
1-866-928-0789 (toll free)  
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

Not classified

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

##### GHS US labeling

No labeling applicable

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

No additional information available

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

Not applicable

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### 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 | 95-99.9 | Not classified        |
| Nitrogen | CAS-No.: 7727-37-9 | < 1     | Simple Asphy, SIAS    |

Comments : Full text of hazard classes, H-statements and additional information on deminis ingredients : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Not expected to present a significant hazard under anticipated conditions of normal use.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. If symptoms develop, obtain medical attention.

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

Symptoms/effects after skin contact : Repeated and/or prolonged skin contact may cause irritation.

Symptoms/effects after eye contact : Slight eye irritant upon direct contact.

#### 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 : Move containers from fire area if you can do it without risk. Cool closed containers that are near the source of the fire. Exercise caution when fighting any chemical fire. 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.

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### SECTION 6: Accidental release measures

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

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

Emergency procedures : Remove all sources of ignition. Ventilate area. Avoid contact with eyes, skin and clothing. Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Remove all sources of ignition. Avoid contact with eyes, skin and clothing. 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 : Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Liquid: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

#### 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, hot surfaces, sparks, open flames and other ignition sources. No smoking. Pressurized container: may burst if heated. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Spray away from eyes and face. Avoid contact with eyes, skin and clothing.  
Hygiene measures : Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

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

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a dry, cool and 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 2021                    |

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### 8.2. Appropriate engineering controls

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Provide adequate ventilation. Ensure exposure is below occupational exposure limits (where available). |
| Environmental exposure controls  | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.     |

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

#### Personal protective equipment:

Avoid all unnecessary exposure.

|  |
|--|
| <b>Hand protection:</b>  |
| Not required for normal conditions of use. In case of repeated or prolonged contact wear gloves. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough. |
| <b>Eye protection:</b>   |
| Wear goggles or safety glasses with side shields if contact with the eyes is possible  |
| <b>Skin and body protection:</b>   |
| Long sleeved clothing  |
| <b>Respiratory protection:</b>   |
| Not required for normal conditions of use  |

#### Thermal hazard protection:

Not required for normal conditions of use.

#### Other information:

Do not eat, drink or smoke when using this product. Spray away from eyes and face.

## SECTION 9: Physical and chemical properties

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

|   |                                    |
|---|------------------------------------|
| Physical state                              | : Liquid                           |
| Appearance                                  | : Aerosol. Pale yellow liquid.     |
| Color                                       | : Pale yellow                      |
| Odor  | : Slight                           |
| Odor threshold                              | : No data available                |
| pH  | : 8 – 10.5                         |
| Melting point                               | : No data available                |
| Freezing point                              | : 32 °F (0 °C)                     |
| Boiling point                               | : 212 °F (100 °C)                  |
| Flash point                                 | : Not applicable                   |
| Relative evaporation rate (butyl acetate=1) | : No data available                |
| Flammability (solid, gas)                   | : Not applicable<br>Not flammable. |
| Vapor pressure                              | : Not applicable                   |
| Relative vapor density at 20 °C             | : Not applicable                   |
| Relative density                            | : No data available                |
| 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                |

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|                      |                  |
|----------------------|------------------|
| Explosion limits     | : Not applicable |
| Explosive properties | : Not explosive. |
| Oxidizing properties | : Not oxidizing. |

### 9.2. Other information

No additional information available

## 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, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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<br>pH: 8 – 10.5                               |
| Serious eye damage/irritation       | : Not classified<br>pH: 8 – 10.5                               |
| 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  |
| Symptoms/effects after skin contact | : Repeated and/or prolonged skin contact may cause irritation. |
| Symptoms/effects after eye contact  | : Slight eye irritant upon direct contact.                     |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Not classified.

#### 12.2. Persistence and degradability

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|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | No data available. |
|-------------------------------|--------------------|

#### 12.3. Bioaccumulative potential

##### DECON-CLEAN® WFI FORMULA AEROSOL

|                           |                                |
|---------------------------|--------------------------------|
| Bioaccumulative potential | Not expected to bioaccumulate. |
|---------------------------|--------------------------------|

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

|         |       |
|---------|-------|
| Log Pow | -1.38 |
|---------|-------|

#### 12.4. Mobility in soil

##### DECON-CLEAN® WFI FORMULA AEROSOL

|                |                    |
|----------------|--------------------|
| Ecology - soil | No data available. |
|----------------|--------------------|

#### 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.

### 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 |

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### TDG

Transport hazard class(es) (TDG) : 2.2  
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 : Not classified.

## 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  
DOT Vessel Stowage Other : 25, 87, 126

### TDG

UN-No. (TDG) : UN1950  
TDG Special Provisions : 80, 107

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Explosive Limit and Limited Quantity Index : 1 L  
Excepted quantities (TDG) : E0  
Passenger Carrying Road Vehicle or Passenger : 75 L  
Carrying Railway Vehicle Index  
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

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| SARA Section 311/312 Hazard Classes | Health hazard - Simple asphyxiant |
|-------------------------------------|-----------------------------------|

### 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

#### National regulations

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

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 |



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### SECTION 16: Other information

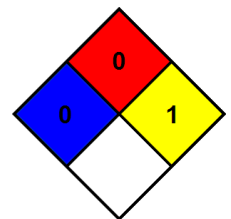
|                   |   |
|-------------------|---|
| Revision date     | : 04/04/2022  |
| Data sources      | : US OSHA HazCom (GHS) 25 May 2012. ECHA (European Chemicals Agency), <a href="http://echa.europa.eu/">http://echa.europa.eu/</a> . NFPA 704, 2022 edition. |
| Other information | : Other ingredients are less than 1% by weight; therefore omitted from Section 3.2  |

Other Composition/Information (less than 1% by weight):

Fatty acids, tall oil, potassium salts (CAS-No. 61790-44-1); Alcohols, C9-11, branched and linear, ethoxylated (CAS-No. 68439-46-3); Tetrasodium ethylene diamine tetraacetate (CAS-No. 64-02-8); Tetrasodium pyrophosphate (CAS-No. 7722-88-5).

| 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)   |
|                            | 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) |
|                            | 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.                                |



| Indication of changes: |                        |          |          |
|------------------------|------------------------|----------|----------|
| Section                | Changed item           | Change   | Comments |
| 2                      | Hazards identification | Modified |          |

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|-----|---|----------|--|
| 3   | Composition/Information on ingredients            | Modified |  |
| 4   | First aid measures                                | Modified |  |
| 8   | Exposure controls / Personal protection equipment | Modified |  |
| 9   | Physical and chemical properties                  | Modified |  |
| 10  | Stability and reactivity                          | Modified |  |
| 11  | Toxicological information                         | Modified |  |
| 12. | Ecological information                            | Modified |  |
| 13  | Disposal considerations                           | Modified |  |
| 14  | Transport information                             | Modified |  |
| 15  | Regulatory information                            | Modified |  |
| 16  | Other information                                 | Modified |  |

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