

**DECON-AHOL<sup>®</sup> 99%****Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Date of issue: 01/18/2016 Revision date: 02/28/2017 Supersedes: 01/18/2016 Version: 2.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : DECON-AHOL<sup>®</sup> 99%  
Product code : SDS VEL-124  
ABN : DECON-AHOL<sup>®</sup> 60% WFI Formula and DECON-AHOL<sup>®</sup> 91% WFI Formula

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Solvent

**1.3. Details of the supplier of the safety data sheet**

Veltek Associates, Inc.  
15 Lee Blvd  
Malvern, PA 19355-1234 USA  
T +1 610-644-8335 - F +1 610-644-8336  
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 call: 1-866-928-0789

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (GHS-US)**

Flam. Liq. 2 H225  
Eye Irrit. 2A H319  
STOT SE 3 H336

**2.2. Label elements****GHS-US labeling**

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapor  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness

Precautionary statements (GHS-US) :

P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical, ventilating, lighting equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P261 - Avoid breathing vapors  
P264 - Wash hands thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves, protective clothing, eye protection  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call doctor if you feel unwell  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P370+P378 - In case of fire: Use dry chemical powder, Carbon dioxide, Alcohol-resistant foam to extinguish

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P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container to licensed waste management site

### 2.3. Other hazards

No additional information available

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

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

Full text of H-phrases: see section 16

### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Propan-2-ol	(CAS No) 67-63-0	99	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

## 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	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop obtain medical attention.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If symptoms develop, obtain medical attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.
First-aid measures after ingestion	: Get immediate medical attention. Rinse mouth. Do NOT induce vomiting. Do not give an unconscious person anything to drink.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Repeated and/or prolonged skin contact may cause irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Carbon dioxide. Alcohol resistant foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapor.
Explosion hazard	: May form flammable/combustible vapour-air mixture when heated.
Reactivity	: Stable under normal conditions.

### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. 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.

## SECTION 6: Accidental release measures

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

General measures	: Remove ignition sources. Ensure adequate ventilation.
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### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ensure adequate ventilation. Avoid inhalation of vapors.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 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

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.  
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Use only non-sparking tools. Take precautionary measures against static discharge.  
Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

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

Technical measures : Keep away from open flames, hot surfaces and sources of ignition.  
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container tightly closed.  
Incompatible products : Strong bases. Strong acids. Sources of ignition. Direct sunlight. Heat sources. Oxidizing materials. Combustible materials. Halogens. peroxides. Metallic salts.

### 7.3. Specific end use(s)

Decontaminant.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Propan-2-ol (67-63-0)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	400 ppm
USA ACGIH	Remark (ACGIH)	Eye & URT irr; CNS impair
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm

### 8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.  
Personal protective equipment : Avoid all unnecessary exposure. Wash hands thoroughly after handling.  
Hand protection : Wear chemically resistant protective gloves.  
Eye protection : Goggles.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : In case of inadequate ventilation wear respiratory protection.  
Thermal hazard protection : Not required for normal conditions of use.  
Environmental exposure controls : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Other information : Do not eat, drink or smoke during use. Do not breathe Vapors. Do not eat, drink or smoke when using this product.

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### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Clear.
Color	: Colorless.
Odor	: mild. alcohol.
Odor threshold	: No data available
pH	: 5.5 - 7.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: 180.5 °F (82.5 °C)
Flash point	: 64.9 °F (18.3 °C)
Auto-ignition temperature	: 750.2 °F (399 °C)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: 3.7 - 4.1 kPa @ 20°C (Propan-2-ol)
Relative vapor density at 20 °C	: 1.6 Relative density, gas (air=1)
Relative density	: No data available
Specific gravity / density	: 0.87 - 0.90 g/cm <sup>3</sup>
Solubility	: Miscible.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 2.1 cP @ 25°C (Propan-2-ol)
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: 2.5 - 12 vol %

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Combustible when heated.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agents. Halogens. Peroxides. Metallic salts.

#### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Propan-2-ol (67-63-0)

LD50 oral rat	4396 mg/kg
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Propan-2-ol (67-63-0)	
LD50 dermal rat	12800 mg/kg
LC50 inhalation rat (mg/l)	72.6 mg/l/4h

Skin corrosion/irritation	: Not classified pH: 5.5 - 7.5
Serious eye damage/irritation	: Causes serious eye irritation. pH: 5.5 - 7.5
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified

Propan-2-ol (67-63-0)	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Harmful if swallowed.
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Repeated and/or prolonged skin contact may cause irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Propan-2-ol (67-63-0)	
LC50 fish	4200 mg/l 96 h
LC50 other aquatic organisms	1400 mg/l 48 h (Crustaceans)

### 12.2. Persistence and degradability

DECON-AHOL <sup>®</sup> 99%	
Persistence and degradability	Rapidly degradable.

### 12.3. Bioaccumulative potential

DECON-AHOL <sup>®</sup> 99%	
Bioaccumulative potential	Low bioaccumulation potential.

Propan-2-ol (67-63-0)	
Bioconcentration factor (BCF REACH)	3

### 12.4. Mobility in soil

DECON-AHOL <sup>®</sup> 99%	
Ecology - soil	Very mobile.

### 12.5. Other adverse effects

Other information	: Avoid release to the environment.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point.
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Additional information : Handle empty containers with care because residual vapors are flammable.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with DOT

UN-No.(DOT) : 1219  
Proper Shipping Name (DOT) : Isopropanol  
Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : II - Medium Danger  
DOT Packaging Exceptions (49 CFR 173.xxx) : 4b;150  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202  
DOT Packaging Bulk (49 CFR 173.xxx) : 242

#### Additional information

Other information : Not classified.  
Special transport precautions : No special precautions required.

#### Transport by sea

UN-No. (IMDG) : 1219  
Proper Shipping Name (IMDG) : Isopropanol  
Class (IMDG) : 3 - Flammable liquids  
Packing group (IMDG) : II - substances presenting medium danger

#### Air transport

UN-No.(IATA) : 1219  
Proper Shipping Name (IATA) : Isopropanol  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : II - Medium Danger

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

Propan-2-ol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 %
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants List	Not regulated
US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration	Isopropyl alcohol 1.0%
US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance	Isopropyl alcohol
CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)	Isopropyl alcohol: 100
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated

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### 15.2. International regulations

#### CANADA

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WHMIS Classification

Class B Division 2 - Flammable Liquid

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

#### 15.2.2. National regulations

### 15.3. US State regulations

US - California Hazardous Substances (Director's): Listed substance

Isopropyl alcohol (CAS 67-63-0) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

US - New Jersey RTK - Substances: Listed substance

Isopropyl alcohol (CAS 67-63-0) Listed.

US. Massachusetts RTK - Substance List

Isopropyl alcohol (CAS 67-63-0) Listed.

## SECTION 16: Other information

Data sources : US OSHA HazCom (GHS) 25 May 2012.

Other information : None.

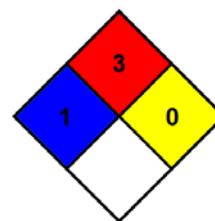
Full text of H-phrases: see section 16:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible  
\* Chronic Hazard - Chronic (long-term) health effects may result from repeated overexposure

Flammability : 3 Serious Hazard

Physical : 0 Minimal Hazard

Personal Protection : G

NCEC SDS US GHS (Hazcom 2012)

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