

## Safety Data Sheet (SDS)

## Section 1: Chemical Product and Company Identification

Cat# : 8776

Part Name: CiDehol 70 Surface wipes

Supplier: **Decon Laboratories Inc.**460 Glennie Circle King of Prussia, Pa 19406  
SDS Telephone # (610) 755-0800

### Emergency Telephone Numbers

US Chemtrec: (800) 424-9300

Canada: (703) 527-3887

Identified uses: Laboratory use

## Section 2: Hazards Identification:

### GHS CLASSIFICATIONS

**Physical:** Flam liquid, 2 – H225  
**Health hazards:** Eye irrit, 2A – H319 STOT SE 3 – H336  
**Environmental hazards:** Not classified

### GHS LABEL



SIGNAL WORD: DANGER

### HAZARD STATEMENTS

<b>Hazard statements</b>	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
<b>Precautionary statements</b>	P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P261 Avoid breathing vapor/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
<b>Contains</b>	PROPAN-2-OL
<b>Other hazards:</b>	This product does not contain any substances classified as PBT or vPvB.

## Section 3: Composition/ Information on ingredients

Note: Items listed with a CASRN number have no CAS# available

Chemical Name	Vol. %	CAS
Propan-2-ol	70	67-63-0
D.I. Water	30	7732-18-5

**Composition comments** TSCA: The ingredients of this product are on the TSCA Inventory. The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with

## Section 4: First Aid Measures

### Description of first aid measures

**General information** Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

**Inhalation** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.

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<b>Ingestion</b>	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention if symptoms are severe or persist.
<b>Skin Contact</b>	Rinse with water.
<b>Eye contact</b>	Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.
<b><u>Most important symptoms and effects, both acute and delayed</u></b>	
<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
<b>Ingestion</b>	No specific symptoms known.
<b>Skin contact</b>	No specific symptoms known.
<b>Eye contact</b>	Irritating to eyes.
<b><u>Indication of immediate medical attention and special treatment needed</u></b>	
<b>Notes for the doctor</b>	Treat symptomatically.

### Section 5: Fire-Fighting Measures

#### Extinguishing media

**Suitable extinguishing media** The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapor. Vapors may be ignited by a spark, a hot surface or an ember. Vapors may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard.

**Hazardous combustion** Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

#### Advice for firefighters

##### **Protective actions during firefighting**

Avoid breathing fire gases or vapors. Evacuate area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

#### **Special protective equipment**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

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### Section 6: Accidental Release Measures

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

##### **Personal precautions**

Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated. Avoid inhalation of vapors and spray/mists. Use suitable respiratory protection if ventilation is inadequate.

##### Environmental precautions

##### **Environmental precautions**

Avoid discharge into drains or watercourses or onto the ground.

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

##### **Methods for cleaning up**

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

##### **Reference to other sections**

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### Section 7: Handling and Storage

#### Precautions for safe handling

##### **Usage precautions**

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

##### **Advice on general**

##### **occupational hygiene**

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

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

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##### **Storage precautions**

Store away from incompatible materials (see Section 10). Keep away from oxidizing materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well-ventilated place. Keep containers upright. Protect containers from damage.

##### **Storage class**

Flammable liquid storage.

#### Specific end uses(s)

The identified uses for this product are detailed in Section 1.

##### **reference to other sections.**

Store away from incompatible materials (see Section 10).

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## Section 8: Exposure Controls/ Personal Protection

### Control parameters

### Occupational exposure limits

#### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): OSHA 400 ppm 980 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm 492 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 400 ppm 984 mg/m<sup>3</sup>

A4

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

### Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### Hand protection

No specific hand protection recommended.

**Other skin and body protection** Wear appropriate clothing to prevent repeated or prolonged skin contact

#### Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

#### Respiratory protection

Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

#### Environmental exposure controls

Keep container tightly sealed when not in use.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Alcoholic.
<b>Odor threshold</b>	No information available.
<b>pH</b>	No information available.
<b>Melting point</b>	No information available.

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<b>Initial boiling point and range</b>	82°C/180°F @ 101.3 kPa
<b>Flash point</b>	12°C/53°F Tag closed cup.
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit : 2.0 %(V) Upper flammable/explosive limit: 12.7 %(V)
<b>Other flammability</b>	No information available.
<b>Vapor pressure</b>	5.2 kPa @ 20°C
<b>Vapor density</b>	1.82
<b>Relative density</b>	0.87
<b>Bulk density</b>	No information available.
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Explosive properties</b>	No information available.
<b>Refractive index</b>	No information available.
<b>Particle size</b>	Not applicable.
<b>Molecular weight</b>	Not applicable.
<b>Volatility</b>	100%
<b>Saturation concentration</b>	No information available.
<b>Critical temperature</b>	No information available.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 350 g/l. This product contains a maximum VOC content of 70 %.

### Section 10: Stability and Reactivity:

<b>Reactivity</b>	See the other subsections of this section for further details.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

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## Possibility of hazardous reactions

**The following materials may react strongly with this product: Oxidizing agents**

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented.
<b>Materials to avoid</b>	Oxidizing materials. Acids - oxidizing.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

## Section 11: Toxicological Information

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

### Skin corrosion/irritation

**Animal data** Based on available data the classification criteria are not met.

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

### Respiratory sensitization

**Respiratory sensitization** Based on available data the classification criteria are not met.

### Skin sensitization

**Skin sensitization** Based on available data the classification criteria are not met.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

### **IARC carcinogenicity**

Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans.

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity development** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**STOT - single exposure** STOT SE 3 - H336 May cause drowsiness or dizziness.

**Target organs** Central nervous system

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

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### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

General Information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure
Inhalation	A single exposure may cause the following adverse effects: Headache, Nausea, Vomiting, Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo, Narcotic effect.
Ingestion	No specific symptoms known
Skin contact	No specific symptoms known
Eye Contact	Irritating to eyes.
Route of exposure	Ingestion, Inhalation, Skin and/or eye contact
Target Organs	Central Nervous system

### Toxicological Information on ingredients

#### PROPAN-2-OL

##### Acute toxicity - inhalation

**Acute toxicity inhalation** 16,000.0  
(LC<sub>50</sub> vapour mg/l)

**ATE inhalation** 16,000.0  
(vapours) mg/l)

##### Carcinogenicity

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

**NTP carcinogenicity** Not listed.

**OSHA Carcinogenicity** Not listed.

## Section 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

**Toxicity** Based on available data the classification criteria are not met.

### Ecological information on ingredients.

#### PROPAN-2-OL

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 9,640 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 5102 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: >2,000 mg/l, Algae

##### Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

##### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

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## Ecological information on ingredients.

### PROPAN-2-OL

Partition coefficient : 0.05

#### Mobility in soil

Mobility No data available.

#### Other adverse effects

Other adverse effects None known.

## Section 13: Disposal Considerations

### Waste treatment methods

#### **General information**

The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

#### **Disposal methods**

Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

## Section 14: Transportation Information

#### **General**

Requirements for marking and labeling of package varies depending on mode of transport. If uncertain of proper markings and labeling, call Decon for assistance.

#### **Air transport notes**

Forbidden for passenger and cargo aircraft.

#### **DOT transport notes**

As supplied, this product is consigned under the Limited Quantities provisions.

#### UN Number

UN No. (IMDG) 3175

#### UN proper shipping name

Proper shipping name (TDG) LIMITED QUANTITY

Proper shipping name (IMDG) UN3175, SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol Solution), 4.1, PGII, Limited Quantity

Proper shipping name (ICAO) Forbidden for passenger and cargo aircraft.

Proper shipping name (DOT) LIMITED QUANTITY

#### Transport hazard class(es)

IMDG Class 4.1

#### Packing group

IMDG packing group II

#### Environmental hazards



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No information required. Not applicable.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: No information required. Not applicable**

Environmentally Hazardous Substance : No

## Section 15: Regulatory information

### US Federal Regulations

#### **SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

None of the ingredients are listed or exempt.

#### **CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

None of the ingredients are listed or exempt.

#### **SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

None of the ingredients are listed or exempt.

#### **SARA 313 Emission Reporting**

None of the ingredients are listed or exempt.

#### **CAA Accidental Release Prevention**

None of the ingredients are listed or exempt.

#### **FDA - Essential Chemical**

None of the ingredients are listed or exempt.

#### **FDA - Precursor Chemical**

None of the ingredients are listed or exempt.

#### **SARA (311/312) Hazard Categories**

None of the ingredients are listed or exempt.

#### **OSHA Highly Hazardous Chemicals**

None of the ingredients are listed or exempt.

### US State Regulations

#### **California Proposition 65 Carcinogens and Reproductive Toxins**

This product does not contain any chemicals found on the California Proposition 65 Carcinogens and Reproductive Toxins.

#### **California Air Toxics "Hot Spots" (A-I)**

The following ingredients are listed or exempt:

*PROPAN-2-OL*

#### **California Air Toxics "Hot Spots" (A-II)**

None of the ingredients are listed or exempt.

#### **California Directors List of Hazardous Substances**

The following ingredients are listed or exempt:

*PROPAN-2-OL*

#### **Massachusetts "Right To Know" List**

The following ingredients are listed or exempt:

*PROPAN-2-OL*

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### Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

*PROPAN-2-OL*

### Minnesota "Right To Know" List

The following ingredients are listed or exempt:

*PROPAN-2-OL*

### New Jersey "Right To Know" List

The following ingredients are listed or exempt:

*PROPAN-2-OL*

### Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

*PROPAN-2-OL*

### Inventories

#### Canada - DSL/NDSL

DSL

#### US - TSCA

All the ingredients are listed or exempt.  
Present.

#### US - TSCA 12(b) Export Notification

Not listed.

## Section 16: Other Information

**Abbreviations and acronyms used in the safety data sheet** TDG: The transport of dangerous goods act

IATA: International air transport association.  
ICAO: Technical instructions for the safe transport of dangerous goods by air.  
IMDG: International maritime dangerous goods.  
CAS: Chemical abstracts service.  
ATE: Acute toxicity estimate.  
LC<sub>50</sub>: Lethal concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal dose to 50% of a test population (median lethal dose).  
EC<sub>50</sub>: 50% of maximal effective concentration.  
PBT: Persistent, bioaccumulative and toxic substance.  
vPvB: Very persistent and very bioaccumulative.

**Classification abbreviations and acronyms** Flam. Liq. = Flammable liquid  
Eye Irrit. = Eye irritation  
STOT SE = Specific target organ toxicity-single exposure

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**End of Safety Data Sheet**