

Material Safety Data Sheet

Material Name: DECON-Glass® Sterile

ID: DG-98-01

DECON-GLASS®

Sterile Pharmaceutical Clean Room Formula
Sterile Glass Cleaner and Residue Remover

MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA HAZARD COMMUNICATIONS STANDARD 29 CFR 1910.1200
(Complies with Commission Directive 91/155/EEC amended by 2001/58/EC)



Veltek Associates, Inc.

15 Lee Boulevard Malvern, PA 19355-1234

Tel: (610) 644-8335 Fax: (610) 644-8336 www.sterile.com

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*** Section 1 - Chemical Product and Company Identification ***

Product Use: Sterile Glass Cleaner and Residue Remover

Manufacturer Information

Veltek Associates, Inc.
15 Lee Blvd.
Malvern, PA USA 19355-1234

Phone: 610-644-8335
Fax: 610-644-8336
Emergency # 24 Hr CHEMTREC U.S. (800) 424-9300
24 Hr CHEMTREC International (703) 527-3887

*** Section 2 - Hazards Identification ***

Emergency Overview

Product is a light blue liquid. Product will not burn. This product may be slightly irritating to the eyes, skin, gastrointestinal tract and respiratory system. Ingestion or inhalation of large amounts may cause central nervous system depression.

Potential Health Effects: Eyes

This product may cause slight irritation to the eyes.

Potential Health Effects: Skin

This product may cause slight irritation to the skin.

Potential Health Effects: Ingestion

Ingestion of large amounts of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

Potential Health Effects: Inhalation

May cause slight irritation to the nose and respiratory tract. Inhalation of large amounts may cause central nervous system depression with symptoms such as weakness, dizziness, confusion and drowsiness.

HMIS Ratings: Health: 2 Fire: 0 Physical Hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
7732-18-5	USP Purified Water	95-100
67-63-0	Isopropyl alcohol	1-2
111-90-0	2-(2-Ethoxyethoxy)ethanol	0.1-1
151-21-3	Sodium lauryl sulfate	0.1-1

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

This product is a controlled product according to the Canadian Controlled Product Regulations.

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Flush eyes immediately with large amounts of water. If irritation persists get medical attention.

First Aid: Skin

For skin contact flush with large amounts of water while removing contaminated clothing. Wash contaminated clothing before reuse. If irritation persists, get medical attention.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air. Call a physician if symptoms develop or persist. Give artificial respiration if not breathing. Call a physician immediately.

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*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

This material will not burn.

Hazardous Combustion Products

None identified.

Extinguishing Media

Use methods for the surrounding fire.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus. Small hazard to fire fighters.

NFPA Ratings: Health: 2 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Contain the discharged material.

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Absorb spill with inert material. Shovel material into appropriate container for disposal.

Evacuation Procedures

None necessary.

Special Procedures

Regulations vary. Consult local authorities before disposal.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid getting this material into contact with your skin and eyes. Avoid breathing vapors or mists of this product.

Storage Procedures

Keep the container tightly closed and in a cool, well-ventilated place. Do not store in sunlight. Do not heat this material above 120°F (49°C), and do not store below 32°F (0°C).

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*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Isopropyl alcohol (67-63-0)

ACGIH:	200 ppm TWA 400 ppm STEL
OSHA:	400 ppm TWA; 980 mg/m3 TWA 500 ppm STEL; 1225 mg/m3 STEL
NIOSH:	400 ppm TWA; 980 mg/m3 TWA 500 ppm STEL; 1225 mg/m3 STEL
Alberta:	400 ppm TWA; 983 mg/m3 TWA 500 ppm STEL; 1230 mg/m3 STEL
British Columbia:	200 ppm TWA 400 ppm STEL
Manitoba:	400 ppm TWA; 980 mg/m3 TWA 500 ppm STEL; 1225 mg/m3 STEL
New Brunswick:	400 ppm TWA; 983 mg/m3 TWA 500 ppm STEL; 1230 mg/m3 STEL
NW Territories:	400 ppm TWA; 983 mg/m3 TWA 500 ppm STEL; 1228 mg/m3 STEL Skin notation
Nova Scotia:	200 ppm TWA 400 ppm STEL
Nunavut:	400 ppm TWA; 983 mg/m3 TWA 500 ppm STEL; 1228 mg/m3 STEL Skin notation
Ontario:	200 ppm TWAEV 400 ppm STEV
Quebec:	400 ppm TWAEV; 985 mg/m3 TWAEV 500 ppm STEV; 1230 mg/m3 STEV
Saskatchewan:	983 mg/m3 TWA; 400 ppm TWA 1230 mg/m3 STEL; 500 ppm STEL
Yukon:	400 ppm TWA; 980 mg/m3 TWA 500 ppm STEL; 1225 mg/m3 STEL Skin notation

2-(2-Ethoxyethoxy)ethanol (111-90-0)

Ontario:	30 ppm TWAEV; 165 mg/m3 TWAEV Absorption through skin, eyes, or mucous membranes
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Engineering Controls

Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH/MSHA respiratory protection must be provided

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

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*** Section 9 - Physical & Chemical Properties ***

Appearance:	Light Blue Liquid	Odor:	Mild alcohol
Physical State:	Liquid	pH:	7.0
Vapor Pressure:	Not available	Vapor Density:	1.6 (air=1)
Boiling Point:	215.6°F (102°C)	Melting Point:	32°F (0°C)
Solubility (H2O):	Complete	Specific Gravity:	0.872-0.883 (H2O=1)
Evaporation Rate:	Not available	VOC:	2%
Octanol/H2O Coeff.:	Not available	Upper Flammability Limit (UFL):	Not available
Lower Flammability Limit (LFL):	Not available	Flash Point:	Not available
Auto Ignition:	Not Available		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

None identified.

Incompatibility

None identified.

Hazardous Decomposition

None identified.

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

Excessive inhalation or ingestion of this material may cause central nervous system depression. Symptoms include headache, dizziness, nausea and incoordination. May cause slight irritation of the eyes, skin, gastrointestinal tract or respiratory system. Prolonged or repeated exposure, or extreme acute exposure may cause damage to the kidneys and liver.

B: Component Analysis - LD50/LC50

Isopropyl alcohol (67-63-0)

Inhalation LC50 Rat: 72.6 mg/L/4H; Oral LD50 Rat: 4396 mg/kg; Dermal LD50 Rat: 12800 mg/kg; Dermal LD50 Rabbit: 12800 mg/kg

2-(2-Ethoxyethoxy)ethanol (111-90-0)

Oral LD50 Rat: 1920 mg/kg; Dermal LD50 Rabbit: 4200 µL/kg

Sodium lauryl sulfate (151-21-3)

Inhalation LC50 Rat: >3900 mg/m3/1H; Oral LD50 Rat: 1288 mg/kg

Carcinogenicity

A: General Product Information

No carcinogenicity data available for this product.

B: Component Carcinogenicity

Isopropyl alcohol (67-63-0)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71, 1999; Supplement 7, 1987; Monograph 15, 1977 (Group 3 (not classifiable))

Target Organ Effects

Central Nervous System (CNS).

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*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Isopropyl alcohol (67-63-0)

Test & Species

96 Hr LC50 fathead minnow (29 days old)	94900 mg/L
96 Hr LC50 fathead minnow (31 days old)	61200 mg/L
5 min EC50 Photobacterium phosphoreum	35390 mg/L

Conditions

flow-through
flow-through

2-(2-Ethoxyethoxy)ethanol (111-90-0)

Test & Species

96 Hr LC50 rainbow trout	13,420 mg/L
96 Hr LC50 fathead minnow	26400 mg/L
96 Hr LC50 bluegill	10,000 mg/L
48 Hr LC50 water flea	4026 mg/L

Conditions

flow-through
static

Sodium lauryl sulfate (151-21-3)

Test & Species

96 Hr LC50 fathead minnow (fry)	10.2 mg/L
96 Hr LC50 fathead minnow (juvenile)	17 mg/L
96 Hr LC50 fathead minnow (adult)	22.5 mg/L
96 Hr LC50 rainbow trout	4.6 mg/L
5 min EC50 Photobacterium phosphoreum	3.5 mg/L
15 min EC50 Photobacterium phosphoreum	1.6 mg/L
30 min EC50 Photobacterium phosphoreum	1.2 mg/L
48 Hr EC50 water flea	6.2 mg/L

Conditions

static

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: This product is not regulated as a hazardous material.

TDG Information

Shipping Name: This product is not regulated as a dangerous good.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

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B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Isopropyl alcohol (67-63-0)

SARA 313: 1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

Acute Health: No Chronic Health: No Fire: No Pressure: No Reactive: No

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

CARB/OTC VOC regulations for consumer products: Check state or local air quality regulations regarding the sale of this product for consumer use.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Isopropyl alcohol	67-63-0	Yes	Yes	Yes	Yes	Yes	Yes
2-(2-Ethoxyethoxy)ethanol	111-90-0	No	No	Yes	No	No	No

Canadian WHMIS Information

A: General Product Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by CPR.

All components in this product are listed on the Canadian Domestic Substances List (DSL).

B: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Isopropyl alcohol	67-63-0	1 % (English Item 904, French Item 1050)

WHMIS Classification: D2B- Toxic Material

Additional Regulatory Information

A: General Product Information

No additional information available.

B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
USP Purified Water	7732-18-5	Yes	DSL	EINECS
Isopropyl alcohol	67-63-0	Yes	DSL	EINECS
2-(2-Ethoxyethoxy)ethanol	111-90-0	Yes	DSL	EINECS
Sodium lauryl sulfate	151-21-3	Yes	DSL	EINECS

*** Section 16 - Other Information ***

Other Information

No additional information available.

MSDS History

New MSDS: 12 July 2005.

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Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; CFR = Code of Federal Regulations; CNS = Central Nervous System; DSL = Domestic Substances List; EINECS = European Inventory of Existing Commercial Chemical Substances; EPA = Environmental Protection Agency; HEPA = High Efficiency Particulate Air filters; IARC = International Agency for Research on Cancer; LC50 = Lethal Concentration 50%; LD50 = Lethal Dose 50%; NIOSH = National Institute for Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit; RCRA = Resource Conservation and Recovery Act; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit; TDG = Transport Dangerous Goods TSCA = Toxic Substance Control Act; TWA = Time Weighted Average; WHMIS = Workplace Hazardous Materials Information System.

This is the end of MSDS # DG-98-01