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DECON-CYCLE[®]

Sterile Pharmaceutical Clean Room Formula
Germicidal Detergent with Organic Soil Tolerance

MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA HAZARD COMMUNICATION 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

DECON-CYCLE®**MATERIAL SAFETY DATA SHEET****COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200****(Complies with Commission Directive 91/155/EEC amended by 2001/58/EC)****I. Identification of Substance:**

Product Name: DECON-CYCLE®

MSDS #: DCY-98-01

Description: A concentrated low pH germicidal detergent effective in hard water and 5% organic soil load

<u>MSDS Information</u>	<u>Manufacturer Information</u>	<u>Emergency Telephone Information</u>
Date Prepared: November 6, 2002	Veltek Associates, Inc.	Notify your Supervisor
Prepared by:	15 Lee Boulevard	Emergencies Chemtrec (800) 424-9300
Art Vellutato, Jr.	Malvern, PA 19355-1234	24-hour service
V.P. Technical Support Operations	TEL: (610) 644-8335	
Reviewed by:		Effective Date: November 6, 2002
Art Vellutato, Sr.		Date Supersedes: 03/26/98
Technical Director		

II. Composition/Data on Components:

Hazardous Identity Components (Specific Chemical)	Cas #'s	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
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Isopropyl alcohol	67-63-0	400 ppm	400 ppm	N/E	
o-benzyl-p-chlorophenol	120-32-1	N/E	N/E	N/E	8.03%
2-Phenylphenol	90-43-7	N/E	N/E	N/E	6.28%
Dodecylbenzenesulfonic acid	21176-87-0	N/E	N/E	N/E	
Triethanolamine	102-21-6	N/E	N/E	N/E	
Hexylene Glycol	107-41-5	N/E	N/E	N/E	

Ingredients subject to reporting requirements of Section 313 of SARA Title III Ingredients listed as germicidal actives

N/A = Not Applicable N/E = Not Established N/D = Not Determined N/L = Not Listed

HIMIS RATING <i>Concentrate</i>	HEALTH 2	REACTIVITY 0	FLAMMABILITY 2	PERSONAL B
HIMIS RATING <i>Diluted 1:256 (1/2 oz. per gal)</i>	HEALTH 1	REACTIVITY 0	FLAMMABILITY 0	PERSONAL B

HAZARD RATINGS: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme A = Safety Glasses B = Safety Glasses & Gloves

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III. Hazards Identification:

HEALTH HAZARDS (Acute & Chronic)

ROUTES OF ENTRY: Eyes? X Skin? X Ingestion? X Inhalation: X
CARCINOGENICITY: NTP? NO IARC Monographs? NO OSHA Regulated? NO

HEALTH HAZARDS: Will cause eye irritation and skin irritation with excessive or prolonged exposure. Harmful or fatal if swallowed. Corrosive to lungs.

SIGNS AND SYMPTOMS OF EXPOSURE: If in eyes: Burning sensation, watering or redness. If on skin: Redness, irritation or burning sensation with prolonged exposure. If spray mist is inhaled: Lung irritation and/or burning sensation. If Swallowed: Drowsiness, irregular pulse, loss of consciousness.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

IV. First Aid Measures:

EMERGENCY AND FIRST AID PROCEDURES:

If in eyes: Flush with water for 15 minutes.

If on skin: Wash liberally with soap and water.

If on clothes: Wash before reuse.

If swallowed: Dilute by drinking milk, egg whites, or large quantities of water. Do not induce vomiting without medical advice.

If spray mist is inhaled: Remove to fresh air.

Always get medical attention when product is swallowed or when symptoms are significant or persist

V. Firefighting Measures:

FLASH POINT 107^oF (Combustible Liquid) (METHOD USED): SETA Flammable Limits: N/E LEL: N/E UEL: N/E

EXTINGUISHING MEDIA: In case of fire use water spray, CO₂, Dry Chemical or Foam

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire-exposed containers and to protect personnel

UNUSUAL FIRE AND EXPLOSION HAZARDS: Burning may release combustion products such as Phenolics, carbon monoxide, carbon dioxide, and chlorine

VI. Accidental Release Measures:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills (less than 1 gallon) may be washed down a drain or cleaned up and disposed of into a sanitary sewer system. Large spills (more than 1 gallon) should be contained and collected (by absorption or vacuuming) then disposed of properly.

VII. Handling and Storage:

STORAGE & HANDLING PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean and closed.

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VIII. Exposure Control and Personal Protection:

RESPIRATORY PROTECTION: General ventilation is normally adequate. Protect breathing system with an appropriate respirator if spraying causes exposure to mists.

GLOVES: Required for exposure to the concentrate when diluting or for long exposures to end-use dilutions. Persons sensitive to cleaning chemicals should always wear gloves.

EYE PROTECTION: Use Safety Glasses when diluting concentrates or when splashing or spraying of diluted product into the eyes is likely.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not normally necessary for routine handling.

WORK/HYGIENE PRACTICES: Wash hands after using. Do not get into eyes, on skin, or clothing. May be harmful if swallowed. Protect food and drink from contamination by product.

VENTILATION: Local Exhaust: Normally Sufficient Mechanical (General): Not Normally Needed

NOTE: *The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied is given. It is the responsibility of the user to comply with all Federal, State and Local laws and regulations.*

IX. Physical and Chemical Properties:

Appearance and Odor: Clear Amber Liquid (that may darken with age) with a slight alcohol odor

Boiling Point:	212 ^o F	Specific Gravity: @25 ^o C	1.092 +/- .01	pH (Concentrate):	2.00 +/- 0.50
Vapor Pressure	N.E.	Solubility in Water:	Complete	pH (Diluted): 1:256:	3.75 +/- 0.75
Vapor Density:	N.E.	Melting Point:	N/A	Evaporation Rate:	N.E.

X. Stability and Reactivity:

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will Not Occur

INCOMPATIBILITY (Materials or Conditions to Avoid): Extreme high temperatures or open flame

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None known

XI. Toxicological Information:

LD ₅₀ Oral Toxicity in Rats:	LD ₅₀ >500 mg/kg and <5000 mg/kg
LD ₅₀ Dermal Toxicity in Rabbits:	LD ₅₀ > 2.0 g/kg of body weight
Primary Dermal Irritation in Rabbits:	Corrosive (Primary Irritation Index: 4.33)
Primary Eye Irritation/corrosion in rabbits:	Irritant
Inhalation Toxicity in Rats:	LC ₅₀ > 2.3 mg/L
Delayed Contact Dermal Sensitization:	Not a Sensitizer

XII. Ecological Information:

EPA Reg. 211-62 is Readily Biodegradable: 74% within 28 days.

Consult local authorities pertaining to the release of material to the environment.

XIII. Disposal Considerations:

WASTE DISPOSAL METHOD: Dispose of product by using in accordance with label directions or in accordance with local, state, and federal regulations. This product is NOT considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261.

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XIV. Transport Information:

Flammable Liquid, Corrosive N.O.S. (Isopropanol, Citric Acid)
Class 3 (Flammable), Packaging Group III, UN 2924

XV. Regulations:

PLEASE CONSULT YOUR STATE AND LOCAL AUTHORITY FOR INGREDIENTS LISTED AS PERTAINING TO REPORTING REQUIREMENTS FOR HAZARDOUS SUBSTANCE LIST.

No special regulation other than transportation and disposal (see section VII and section IX). Conform to Federal, State and Local Regulations for disposal. Follow usage instructions on container.

XVI. Other Information:

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