

Material Safety Data Sheet		(MSDS)		Date of Revision: 08/05/2005	
Date of Issue: 06/01/2000					
SECTION 1 - MANUFACTURER INFORMATION					
Manufacturer Name:		Decon Laboratories, Inc.			
Trade Name:		SANIHOL™ 70% Denatured Ethanol Solution		Emergency Telephone U.S.: (800) 424-9300 CANADA: (703) 527-3887	
Chemical Name or Synonym:		N/A		Info Telephone: 610-755-0800	
Mfg. Address:		460 Glennie Circle			
City:		King of Prussia		State, Zip: PA 19406	
SECTION II - HAZARDOUS INGREDIENTS					
CAS #	Chemical Name	Percent	PEL	TLV	Other Limits Recommended
64-17-5	Ethyl Alcohol	63.4%	400 ppm	400 ppm	TLV/STEL: 500 ppm
67-63-0	Isopropanol	3.4%	1000 ppm	400 ppm	
67-56-1	Methyl Alcohol	3.2%	200 ppm		
Additional Information:					
Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200)					
SECTION III - PHYSICAL DATA					
Melting Point °C:		N/A		Specific Gravity (H2O=1.0): 0.878	
Freezing Point °C:		-10°C		% Volatile by volume: 70%	
Boiling Point (°F):		170°F		VOC (as packaged, -H2O) 8.4 oz	
Vapor Pressure:		20°C		Theoretical OVC (lb / gal) 7.34	
Vapor Density (Air=1):		1.6		Odor: Mild Alcohol Odor	
Evaporation Rate (Butyl acetate-1):		1.7		Solubility in Water: Complete	
Appearance:		Clear, Colorless Liquid		PH: 7.0	
SECTION IV - FIRE AND EXPLOSION DATA					
Flash Point:		75° F		LEL: 12% UEL: 2%	
Extinguishing Media:		Use water fog, alcohol foam, dry chemical or CO ₂ .			
Special Fire Fighting Procedures: Clear fire area of unprotected personnel. Do not enter fire area without full bunker gear, helmet w/face shield, Bunker coats, gloves, rubber boots. Include a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed container with water.					
Additional Information:					
Hazard Ratings					
HMIS: Health = 1 Flammability = 3 Reactivity = 0 Personal Protection = B					
NFPA: Health = 1 Flammability = 3 Reactivity = 0					

SANIHOL™ – 70% Denatured Ethanol Solution

SECTION V - HEALTH HAZARD DATA				
EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects)				
ACUTE:	Irritation as noted below. CNS depression may be evidenced by giddiness, headache, dizziness, and nausea.			
EYES:	Can cause moderate eye irritation.			
SKIN:	Can cause mild skin irritation.			
INHALATION:	May cause mild irritation to nose, respiratory tract and may result in central nervous system (CNS) depression.			
INGESTION:	Generally considered a low order of acute oral toxicity.			
CHRONIC, OTHER:	Pre-existing skin, eye, & respiratory disorders may be aggravated by exposure to IPA.			
Carcinogenicity Data:	NTP: None known	IARC: N	OSHA: N	OTHER: N/A
First Aid				
Eyes:	Flush with plenty of water for at least 15 minutes, while holding eyelids open. Seek immediate medical attention.			
Skin:	Flush skin with water. If irritation occurs, seek medical attention.			
Inhalation:	Remove victim to fresh air and provide oxygen if breathing is difficult. Seek medical attention.			
Ingestion:	<u>DO NOT</u> induce vomiting if victim is unconscious or drowsy. Otherwise, if within the first 15 minutes give syrup of IPECAC, upon directions of physician or poison control center.			
NOTE to Physician:	Do not induce vomiting - <u>FIRST</u> contact poison control center, treatment depends on volume of substance, time elapsed, due to faster absorption.			
SECTION VI - REACTIVITY DATA				
Stability:	Stable. (3 yrs)	Conditions to Avoid:	Stable	
Incompatibility (Materials to Avoid):	See IPA requirements.			
Hazardous Decomposition or By-Products:	Carbon Monoxide, and unidentified organic compounds may be formed during combustion.			
Polymerization:	Will not occur.			
SECTION VII - SPILL OR LEAK PROCEDURES				
Spill Management:	WARNING-FLAMMABLE. Eliminate all ignition sources. Equipment must be grounded to prevent sparking. Contain liquid with absorbent material and place in non-leaking container. Seal tightly for disposal.			
Waste Disposal Method:	Container disposal regulation may vary with amount of liquid content remaining in container. Refer to latest Federal and State Regulations regarding proper disposal of ALL containers. If needed, consult manufacturer for assistance to obtain proper disposal guidelines for your area.			
SECTION VIII - SPECIAL PROTECTION INFORMATION				
Respiratory:	If exposure exceeds occupational exposure limits (see Section II), use a NIOSH-approved respirator. In accord with 29 CFR 1810.134, use either an atmosphere supplying respirator or an air purifying respirator for organic compounds.			
Eyes:	Avoid contact. Wear chemical goggles.			
Protective Gloves:	Chemical Resistant Gloves.			
Ventilation:	Use Explosion Proof Ventilation as required to control vapor concentrations.			
Other Clothing and Equipment:	Wear recommended clothing to minimize contact.			
SECTION IX - ADDITIONAL INFORMATION				
Safe Handling and Storage:	Do not contact skin, eyes, mouth or ingest. Eye wash fountains and showers should be available for emergency use. Do not store above 120°F. Do not store in sunlight, spray in well ventilated area. Flammable Liquid. The contents are under pressure. Do not puncture, crush or incinerate the container in unapproved manner.			
SECTION X – TRANSPORTATION INFORMATION				
DOT Hazard Class:	<u>Product</u>	<u>Shipping by Ground</u>		
	16 oz (cat # 8116)	ORM-D Consumer Commodity (DOT 49 CFR 173.150)		
	1 gal (cat# 8101)	Ethanol solution, 3, UN1170, PG III		