

Safety Data Sheet (SDS)

Section 1: Chemical Product and Company Identification

Cat# : 8401, 8416, 8416T 8417, 8418, 8421, 8432, 8405, 8405E,8405M, 8405N, 8406, 8406N, 8455

Part Name: CiDehol 70

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 Classification

Health:

Skin Irritation, Category 2

Eye Irritation, Category 2

Physical:

Flammable Liquids Category 2

Signal Word: DANGER



Hazard Statements

H226 Flammable liquid and vapor

H315 Causes skin irritation

H320 Causes eye irritation

Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P280A Wear protective gloves.

P285 In case of inadequate ventilation wear respiratory protection.

P301A IF SWALLOWED do not induce vomiting. Do not give anything to drink. Obtain medical attention without delay.

P301D IF SWALLOWED, induce vomiting as directed by medical personnel.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305B IF IN EYES: Separate eyelids with finger tips.

P313 Get medical advice/attention.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P351 Rinse cautiously with water for several minutes.

P361 Remove/Take off immediately all contaminated clothing.

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POTENTIAL HEALTH EFFECTS

EYES: Moderately irritating to the eyes

SKIN: Mildly irritating to the skin

INGESTION: Irritating to the gastrointestinal tract, causing abdominal pain and vomiting, sometimes bloody. Ingestion may cause CNS depression, low blood pressure, rapid heartbeat and liver damage.

INHALATION: May cause mild irritation to the nose, throat and respiratory tract and may result in Central nervous system (CNS) depression.

MEDICAL CONDITIONS AGGRAVATED: Preexisting disease in or history of ailments involving skin, central nervous system, liver and kidney.

Section 3: Composition/ Information on ingredients

Item#	Name	EINECS	CAS #	% in Product
1	2-Propanol	200-661-7	67-63-0	61 - 70
2	Water	231-791-2	7732-18-5	31 - 40

Section 4: First Aid Measures

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Flush skin with water while removing contaminated clothing. If irritation occurs, get medical attention. Do not reuse clothing or shoes until cleaned.

INGESTION: if swallowed do not induce vomiting; Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person get medical attention.

INHALATION: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Most important symptoms and effects both acute and delayed.

EYES: Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision.

Inhalation: Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing, Breathing of high vapor concentrations may cause central nervous system (CNS) depression resulting in dizziness , light-headedness , headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness an death.

Section 5: Fire-Fighting Measures

FLAMMABLE CLASS: Class IB flammable liquid

EXTINGUISHING MEDIA: Use water fog, "alcohol" foam, dry chemical, or CO2

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and unidentified organic compounds maybe formed during combustion.

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EXPLOSION HAZARDS: Danger! Flammable materials release vapors that travel long distances, ignite and flash back. Containers may explode in a fire, do not exposure to heat, sparks, flame, or other sources of ignition. When handling use non-sparking tools, f=ground and bond all containers.

FIRE FIGHTING PROCEDURES: WARNING! Flammable Liquid. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved SCBA. Cool fire exposed containers with water.

Section 6: Accidental Release measures

Small spill: Eliminate all sources of ignition such as flares, flames (including pilot lights) and electrical sparks. Absorb liquid on vermiculite, floor absorbent or other absorbent material. Persons not wearing proper protective equipment should be excluded from area of spill.

Larger spill: Eliminate all sources of ignition such as flares, flames (including pilot lights) and electrical sparks. Persons not wearing proper protective equipment should be excluded from area of spill until clean-up has been completed. Shut off source of leak if safe to do so. Dike and contain spill. Prevent form entering drains, sewers, streams or other bodies of water. If runoff occurs, notify authorities as required. Remove for proper disposal.

Section 7: Handling and Storage
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GENERAL PROCEDURES: Store at room temperature. Keep away from heat, sparks and flame. Surfaces that are hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until vapors are gone.

COMMENTS: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks static electricity, or other sources of ignition; they may explode and cause injury or death. Observe all federal, state and local regulations and National Fire Protection Association (NFPA) Codes which pertain to the specific local conditions of stage and use.

Section 8: Exposure Controls/ Personal Protection
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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)				
Chemical Name	Exposure Limits			
	Type		ppm	Mg/m ³
IPA	OSHA PEL	TWA	400	980
	ACGIH TLV	TWA	200	490
		STEL	400	960
	Supplier OEL	TWA	NL(1)	NL (1)
		STEL	NL	NL
1. NL = NOT LISTED				

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APPROPRIATE ENGINEERING CONTROLS: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical safety goggles and/or full-face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

SKIN: Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact wear impervious clothing and boots.

RESPIRATORY: If exposure may or does exceed occupational exposure limits (see sec 8) use a NIOSH approved respirator to prevent overexposure. In accordance with 29 CFR use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors

SKIN PROTECTIVE -OTHER: Where splashing is possible, fully chemical resistant clothing (eg. Acid suit) and boots required.

OCCUPATIONAL HYGIENE PRACTICES: Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking or using the toilet.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Section 9: Physical and Chemical Properties

Physical state	Liquid	Relative Vapor Density	Heavier than air 2.07
Odor	Slightly sweet, Alcohol like	Boiling point	83°C (181°F)
Color	Clear, colorless	Freezing point	-89°C (-128°F)
pH	Essentially neutral	Solubility in water	Miscible
Percent Volatile	100	Evaporation rate	Slower than ether ~3.0
Flashpoint	18°C (65°F) closed cup	Density	~6.5 at (68°F)
Lower explosion Limit	2%	Specific Gravity	08-0.880
Upper explosion Limit	13%	(VOC)	7.13 LBS/gal
Auto ignition temperature	~ 425°C	Vapor Pressure	43 hPa at 20°C (68°F)

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Section 10: Stability and Reactivity:

DANGEROUS POLYMERIZATION: will not occur

CONDITIONS TO AVOID: Avoid heat, sparks, flame and contact with strong oxidizing agents. Do not store or handle aluminum equipment at temperatures above 120 °F.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and unidentified organic compounds may be formed during combustion if stored and applied as directed.

INCOMPATIBLE MATERIALS: Strong oxidizers

Section 11: Toxicological Information

Acute toxicity

Acute dermal toxicity LD₅₀: 12800 mg/kg (rabbit)

Acute oral toxicity LD₅₀: 5840 g/kg (rat)

Acute inhalation toxicity LC₅₀: 37.5 mg/l (rat), 4 hours

Serious eye damage, irritation: Cause serious eye irritation

Germ cell mutagenicity: Mutagenicity Ames Test: negative

Carcinogenicity

Notes: this product is not known or reported to be carcinogenic by any reference sources including IARC, OSHA, NTP or EPA.

Reproductive Toxicity: No Data Available

Aspiration Hazard: No Data Available

Section 12: Ecological Information

Aquatic toxicity, both acute and chronic

96*hour LC₅₀: 9640 mg/L (Pimephales promelas)

CiDehol 70

48-hour EC₅₀: 13299 mg.l (Daphnia magna)

Section 13: Disposal Considerations

DISPOSAL METHOD: The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state and local regulations. Do not dump into sewers, ground, or any body of water.

EMPTY CONTAINER: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, dill, grind, or expose such containers to heat, flame, spark, static electricity, or other sources of ignition.

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RCRA/EPA WASTE INFORMATION: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classified determination are listed in 40CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14: Transportation Information

DOT (Department of Transportation)	
UN Proper Shipping Name:	ISOPROPANOL
Chemical Name:	ISOPROPANOL
UN Number	1219
Transport Hazard Class	3
Packing Group:	II
Hazard Label	Flammable Liquid

Note:
sizes 1 Liter or less ship as Limited Quantity

Section 15: Regulatory Information

UNITED STATES

SARA Title III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 health hazards: This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

EPCRA Section 313 Toxic Chemicals

Chemical Name	Wt.%	Cas
IPA	~70	67-63-0

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: To the best of our knowledge, this product is not listed as an extremely hazardous substance.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	Cas
IPA	67-63-0

TSCA status – Listed

Prop 65 – not listed

General: The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Section 16: Other Information

Date of Issue: 05/01/1998

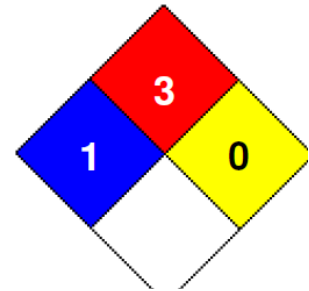
Date of Revision: 09/25/2022

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HMIS rating

Health	<input type="checkbox"/>	1
Flammability	<input type="checkbox"/>	3
Physical hazard	<input type="checkbox"/>	0
Personal protection	<input type="checkbox"/>	G

NFPA codes



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End of Safety Data Sheet