

# Material Safety Data Sheet

(MSDS)

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## SECTION 1 - MANUFACTURER INFORMATION

<b>Manufacturer Name:</b>	Decon Laboratories, Inc.	
<b>Trade Name:</b>	<b>Fisherbrand® CitriSol™ Hybrid Solvent and Clearing Agent</b>	<b>Emergency Telephone</b> U.S.: (800) 424-9300 Canada: (703) 527-3887
<b>Chemical Name or Synonym:</b>	N/A	<b>Info Telephone:</b> 610-755-0800
<b>Mfg. Address:</b>	460 Glennie Circle	
<b>City:</b>	King of Prussia	<b>State, Zip:</b> PA 19406

## SECTION II - HAZARDOUS INGREDIENTS

CAS Number	Chemical Name	Percent	PEL	C	S	TLV	C	S	Units	313?
5989-27-5	d-Limonene	50%	None							
Proprietary Solvents	Proprietary Mixture. In the event of a medical emergency, compositional information will be provided to a physician or nurse	50%	None							

**Additional Information:**

Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200)

## SECTION III - PHYSICAL DATA

<b>Boiling point (°F):</b>	192 – 204 ° C (378 –400 ° F)	<b>Specific Gravity:</b>	0.8521 @ 25 ° C
<b>Flash point ( °F, TCC)</b>	145 °F (63 ° C)	<b>% Volatiles:</b>	100%
<b>Vapor Pressure</b>	1.5 mmHg at 25 ° C	<b>pH:</b>	N/A
<b>Solubility:</b>	Insoluble in water.	<b>Odor</b>	mild citrus
<b>Appearance:</b>	Clear liquid, colorless to light amber.	<b>VOC Content (g/liter @ 25° C)</b>	852 g/l

## SECTION IV - FIRE AND EXPLOSION DATA

<b>Flammable Properties:</b> Flash Point 145 °F (63 °C) TCC. Vapors can explode and liquids can combust when temperatures reach or exceed the flashpoint.	<b>LEL:</b> N/A	<b>UEL:</b> N/A
<b>Extinguishing Media:</b>	Carbon dioxide, dry chemical, foam.	
<b>Fire Fighting Instructions:</b> Use CO <sub>2</sub> , foam or dry chemical. Use water as a spray only to lower temperature (this substance floats on water). Treat as an oil fire.		
<b>Additional Information:</b> Hazard Ratings HMIS: Health = 2 Flammability = 2 Reactivity = 1 Personal Protection = C NFPA: Health = 1 Flammability = 2 Reactivity = 0		

**Fisherbrand® CitriSolv™ Hybrid**

**SECTION V - HEALTH HAZARD DATA**

**POTENTIAL HEALTH EFFECTS:**

**Inhalation:** Vapors are not hazardous, but may be irritating in confined spaces.

**Eyes:** Irritating to eyes.

**Skin:** Irritating to skin.

**Ingestion:** Will be irritating to tissues. May be harmful or fatal if swallowed in sufficient quantity.

**CHRONIC HEALTH EFFECTS / SYMPTOMS:** Not considered a carcinogen by NTP, IARC, or OSHA. No known chronic indications.

**First Aid**

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, if irritation develops, get medical attention.

**Skin:** Remove contaminated clothing. Wash affected areas with soap and water. If irritation develops, get Medical attention.

**Ingestion:** Drink lots of water to dilute substance. Get medial attention

**Inhalation:** Seek fresh air immediately. If breathing is difficult, get medial attention.

**SECTION VI - REACTIVITY DATA**

**Conditions to Avoid:** Excessive temperatures and/or contact with air may cause decomposition or oxidation.

**Materials to avoid:** Avoid contact with strong acids, strong bases, and oxidizing agents.

**Decomposition Products:** Ultimate decomposition products are CO<sub>2</sub> and water .

**SECTION VII - SPILL OR LEAK PROCEDURES**

**Personal Precautions:** See section VIII, Personal Protection

**Containment and cleanup Techniques** Spills may be absorbed by sand or oil-absorbing materials. Large spills should be collected by pumping into closed containers for recovery or disposal. Spills over water will float and may be collected by oil absorbants or by skimming

**Waste Disposal Procedures:** CitriSolv Hybrid is Class 3 combustibile, non-hazardous Liquid. Dispose of in accordance with federal, state, and local regulations.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**Engineering Controls:** Mechanical ventillation may be necessary at elevated temperatures to control odor.

**Exposure Guidelines:** No OSHA TLV or PEL established. The company recommends 100 ppm based on data for other compounds in the same chemical family.

**Respiratory Protection:** Respirator is not required. Organic vapor cartridge may be used for odor elimination.

**Skin Protection:** Wear chemically resistant rubber gloves and apron (viton, nitrile, and or PVC) to minimize exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Eye Protection:** Wear chemical safety glasses, goggles, or face shield to prevent eye contact.

**SECTION IX – ADDITIONAL INFORMATION**

**Safe Handling and Storage:** wear chemical safety glasses, gloves, goggles, and apron. Store in tightly closed metal or glass containers. Do not store in poly ethylene plastic. Original container is PET plastic and acceptable. Avoid heat, sparks, and open flames.

**SECTION X – TRANSPORTATION INFORMATION**

**DOT Information:** Shipping by Ground Only  
1 Gallon (cat # 04-355-121) Cleaning compound liquid (non-hazardous)

The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or for the consequences of its use or misuse.