

# Material Safety Data Sheet

## ECOLINK 1171 HF Low VOC Degreasing Solvent

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**FOR CHEMICAL EMERGENCY**  
Call INFOTRAC  
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### Section I: Product Identification

Product name: ECOLINK 1171 HF  
Synonym: Proprietary Blend  
Molecular Formula: Proprietary Blend

### The “Plain English” Section

Material Safety Data Sheets can be confusing. Federal law requires us to print a great deal of technical information, which probably won't help the non-scientist. ECOLINK includes this “PLAIN ENGLISH” section, written to address the questions and concerns of the average person. If you have additional health, safety or product questions, don't hesitate to call us at 800/886-8240.

**Health Hazards:** ECOLINK 1171 HF is an industrial chemical. We call it “environmentally preferred” because it is intended to replace products that are more hazardous, (HCFC-141b, trichloroethylene, MEK, etc.). This does not mean that ECOLINK 1171 HF is completely harmless. It is strong enough to remove tough industrial soils, so it can irritate your skin. We suggest you wear gloves, and avoid extended exposure to unprotected skin. Do not get it in your eyes, or breath large amounts of the vapor, (it will dry out your nasal passages). Used on a rag or from a spray bottle, the product will not produce fumes in any great quantity, (do not spray ECOLINK 1171 HF under high pressure without adequate ventilation). For more exposure and first aid information, refer to MSDS Sections II, VI.

**Flashpoint:** ECOLINK 1171 HF's flashpoint is >140° F. This represents the temperature that the liquid must be before it emits fumes that may ignite. If ECOLINK 1171 HF is used on rags, the rags can ignite if exposed to an open flame because the solvent is “wicked” onto the cloth. Be sure to dispose of rags in an airtight container specifically designed to prevent spontaneous combustion. Don't use ECOLINK 1171 HF or any other combustible solvent around welding or any other hot work area.

**Disposal:** Because ECOLINK 1171 HF's flashpoint is above 140°F, it is not considered an ignitable hazardous waste product. If you spill ECOLINK 1171 HF, notify the proper environmental people at your company ASAP. Once ECOLINK 1171 HF is contaminated with whatever you are cleaning, the resulting mixture may fall under a hazardous classification, depending on whether or not the material you are cleaning is hazardous. If you are not sure how to dispose of the used ECOLINK 1171 HF give us a call and we will help you make the right decision.

### Section II: Hazardous Components

Chemical Name Parachlorobenzotrifluoride  
CAS No. 98-56-6  
Approx. wt.% 80-90%  
Exposure Limit ACGIH TLV: Not Established  
OSHA PEL: Not Established  
25 ppm TWA: Supplier

Chemical Name 3,3-Dichloro-1,1,1,2,2-Pentafluoropropane  
CAS No. 422-56-0  
Weight % 1-5  
Exposure \*AEL – 50 ppm TWA

Chemical Name 1,3-Dichloro-1,1,2,2,3-Pentafluoropropane  
CAS No. 507-55-1  
Weight % 5-10  
Exposure \*AEL – 400ppm TWA

\* AEL is Acceptable Exposure Limit established by Asahi Glass Co., Ltd.

Chemical Name d-Limonene  
CAS No. 5989-27-5  
Approx. wt.% 1-5%  
Exposure Limit Not Established

RCRA REGULATED: No  
CERCLA (superfund): N/A  
SARA Title III, Section 313 Yes (CAS# 422-56-0, 507-55-1)  
ALL MATERIALS IN PRODUCT ARE TSCA LISTED.  
DOT Regulated: No  
DOT Haz. Class: N/A  
DOT Shipping Name: N/A  
DOT Number: N/A

### Section III: Physical Data

Appearance & Odor:	Clear, colorless liquid with sweet naphthalenic odor.
Boiling Range:	132 - 280°F
Evaporation Rate (nBuAc=1):	~1.4
Solubility In Water:	Nil
Specific Gravity:	1.336
VOC Content:	25 gm/l
Vapor Density (AIR=1):	>5.0
Vapor Pressure (mm Hg.):	<45 @ 20°C

### Section IV: Fire and Explosion Hazard Data

Flash Point (Method): Bulk Liquid (TCC)	>140°F
Flammable Limits: LEL	Not Established
UEL	Not Established
Autoignition temperature	Unknown
Extinguishing Media: Regular foam, water fog, carbon dioxide, dry chemical, class B.	
Special Fire Fighting Procedures: Keep fire exposed containers cool with water. Fire fighters should wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate gear and chemical resistant personal protective equipment.	
Unusual Fire & Explosion Hazards: Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively.	

### Section V: Reactivity Data

Stability:	Stable
Conditions to Avoid: Sources of ignition such as sparks, hot spots, welding, flames and cigarettes. Ignition/flash may result if concentration of product is in the flammable range (See Section IV for LEL and UEL values).	
Incompatibility (materials to avoid): If mixed with strong oxidizers and or acids there is the possibility of a dangerous chemical reaction.	
Hazardous Decomposition: May form carbon dioxide and carbon monoxide.	
Hazardous Polymerization: Will Not Occur.	

### Section VI: Health Hazard Data

Primary routes of exposure: Oral, Inhalation, and Skin	
Ingestion: Swallowing large amounts may be harmful by causing gastrointestinal irritation.	
Inhalation: Breathing large amounts may be harmful, by causing nose, throat, and respiratory tract irritation.	
Eyes: Irritant. Liquid contact will irritate eyes and may cause stinging, tearing, and redness.	
Skin or Contact: May cause mild irritation or redness and burning, skin defatting.	
First Aid:	
<u>Ingestion</u> :	Do not induce vomiting. If conscious, give 1 or 2 glasses of water. Seek medical attention immediately. Caution: aspiration into lungs can cause chemical pneumonia which may be fatal.
<u>Inhalation</u> :	Remove to fresh air; if breathing is difficult give oxygen. Keep person warm and quiet. Seek medical attention.
<u>Eyes</u> :	Irrigate immediately with water for at least 15 minutes. Get medical attention if irritation persists.
<u>Skin</u> :	Wash with soap and water. Thoroughly clean contaminated clothes and shoes before re-use. If symptoms persist, seek medical attention.
<u>Carcinogen</u> :	NTP – Not Listed IARC Monographs – None OSHA REGS – Not Regulated

### Section VII: Precautions for Safe Handling

HMIS Information:	
Health – 2 /	Reactivity – 0
Flammability – 2	Personal Protection – C
HMIS Definition: 0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Extreme “/” in the Health Category denotes material does not target any major organs.	
Eye Protection: Safety glasses and splash protection required.	
Protective Gloves: Chemical resistant such as Butyl, Nitrile, Teflon	

**Respiratory Protection:**

If exposure limits are exceeded, respiratory protection such as NIOSH certified organic vapor mask.

**Ventilation:** Good general ventilation (typically 10 air changes per hour) should be used. If applicable use process enclosures, local exhaust, or other engineering controls to maintain levels below exposure limits.

**Other Protective Clothing:** Not required under normal use.

**Work Practices:** Wash hands before eating, drinking, or smoking.

## Section VIII: Control Measures

**Small Spill:** Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

**Large Spill:** Eliminate all ignition sources, (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams, etc. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Transfer contaminated absorbent, soil and other materials to containers for disposal.

**Waste Disposal Method:** ECOLINK 1171 HF liquid is to be disposed of according to local, state, and federal regulations. Please call us if you need additional disposal information.

**Precautions To Be Taken In Handling & Storing:** Since empty containers retain product residues, all hazard precautions given in the data sheet must be observed. All metal pails or drums should be grounded and/or bonded when material is transferred. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature may result in ignition.

**Other Precautions:** Keep this and all chemicals out of the reach of children.

## Section IX: Part Number and Packaging

<u>Product Name</u>	<u>Part No.</u>	<u>Packaging</u>
ECOLINK 1171 HF		55 Gal Drum
ECOLINK 1171 HF		5 Gal Pail
ECOLINK 1171 HF		4 x 1 Gal Case

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END OF MSDS