

DESCRIPTION

Liquifresh is an ultra concentrated, money saving, odor counteractant. **Liquifresh** contains an active ingredient that attacks the cause of the odor so that it does not return. Specifically designed residual properties mean that **Liquifresh** keeps right on working, making it a favorite of hotel, motel, nursing home and hospital maintenance professionals. A deodorant that is pleasantly perfumed and is extremely effective in tough applications like, washrooms, garbage cans, disposals, locker rooms, litter boxes, diaper pails and the like. It is also great for unpleasantly lingering cooking odors, air conditioner filters and other such smells.

Liquifresh can be used indoors in industrial, office, marine, recreational vehicle and even residential settings. **Liquifresh** works great and yet is never overpowering and its low foam formulation makes it ideal for extractors and autoscutters.

DIRECTIONS

Carpets:

Put a few drops right on the source of the odor, or you can add 2 oz of **Liquifresh** to each gallon (16 ml/litre) (1:64) of your shampoo solution.

Automatic scrubbers:

Use 2 oz per gallon (16 ml/litre) (1:64) of rinse water to eliminate the 'wet floor' odor.

General deodorizing:

Add 2 oz per gallon (16 ml/litre) (1:64) of water and then simply spray lightly into the air...don't worry, it won't stain sheets, drapes, or clothing. Do not spray **Liquifresh** undiluted though...remember it's ultra concentrated!

Garbage containers:

Mix 4 oz of **Liquifresh** per gallon (32 ml/litre) (1:32) of water and spray down.

Nursing Homes and Hospitals:

Squirt a few drops of undiluted **Liquifresh** into bed pans, drainage bottles, urinals, toilets and the like to stop unpleasant odors at the source.

PHYSICAL DATA

Appearance	Clear liquid
Color	Pink
Foam	Low
Odor	Cherry
pH	5.5 - 6.5

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **LIQUIFRESH**

WHMIS CODE: B3, D2B
 Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.
 Hazard Class: Class 3, P.G. III
 UN Number: UN 1993 (Ltd. Qty)

HMIS	
2	Health
2	Flammability
0	Reactivity
B	Personal

Product Use: *Deodorizer and freshener.*

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 Canada: Canutec 613-996-6666
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A=Goggles, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
ISOPROPYL ALCOHOL	67-63-0	1.0-5.0	400 ppm	400 ppm
LD50 (oral rat) 5,045 mg/kg				
LD50 (dermal) 12,800 mg/kg (Rabbit)				
LC50 No data				
BLEND OF ALIPHATIC ALCOHOLS AND ESTERS, AND OF AROMATIC ALDEHYDES AND ESTERS	NOT AVAILABLE	1.0-5.0	NO DATA	NO DATA
LD50 (oral rat) N/A				
LD50 (dermal) N/A				
LC50 N/A				
ALCOHOL ETHOXYLATE	68439-46-3	1.0-5.0	N/A	N/A
LD50 (oral rat) 1376 mg/kg				
LD50 (dermal rabbit) >2 g/kg				

SECTION 3 – PHYSICAL DATA

Color and Odor: Dark pink, cherry scent. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 5.5-6.5.
Physical State: Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 0.995@20°C
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: 23-61°C (73-142°F) (Flashpoint-Seta cc – ASTM D3828)
Sensitivity to Mechanical Impact: None. **Flammable Limits:** N/D.
Extinguishing Media: Water, dry chemical or alcohol foam, carbon dioxide. Use extinguishing medias suitable for surrounding areas.
Sensitivity to Static Discharge: N/D. **Auto ignition Temperature:** N/D.
Conditions of Flammability: N/D.
Unusual Fire and Explosion Hazards: Prolonged contact with reactive metals (i.e. aluminum, tin, zinc, etc.) may form flammable and explosive hydrogen gas in confined areas.
Hazardous Combustion Products: Decomposition may produce oxides of carbon.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus (SCBA) for large fires. For small fires, which may be easily extinguished by a portable fire extinguisher, the use of SCBA is optional. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions. **Hazardous Polymerization:** Will not occur.
Incompatibility (material to avoid): Strong oxidizer and acids.
Hazardous Decomposition Products: Carbon Oxides may be liberated upon thermal decomposition.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Carcinogenicity:** None known.
Irritancy of Product: Irritating to skin, eyes and respiratory system. **Routes of Entry:** Skin & eye contact, inhalation.
Sensitization: None known. **Teratogenicity:** None known
Mutagenicity: None known. **Reproductive Toxicity:** None known.
Name of Toxicological Synergistic Product: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause skin irritation, dryness or dermatitis.
Effects of Acute Exposure to Product: Exposure may cause skin and eye irritation. Inhalation of vapors or mist may irritate respiratory tract causing headaches, nausea, central nervous system effects, etc. Ingestion may cause gastro-intestinal discomfort, and symptoms similar to inhalation.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Use a NIOSH/MSHA approved dust/mist respirator if product is misted/sprayed in confined area or for > 5-10 minutes use.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Use Butyl rubber or Neoprene gloves when handling concentrate.
Eye Protection: Safety goggles or glasses.
Protective Clothing and Equipment: Eyes wash recommended in the immediate work area.
Storage and Handling Procedures: Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.
Disposal Procedures for Spills or Leaks: Scoop up any spills and place in sealed container for disposal. Keep away from sewers and natural waters.
Waste Disposal Method: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Special Shipping Information: Store at temperature below 30°C. Keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: 07/04/11
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE