



B611-006 French Lac

# MATERIAL SAFETY DATA SHEET

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EMERGENCY PHONE (CHEM TREC): ..... 1-800-424-9300  
FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. .... 1-703-527-3887 (collect)

**Health: 2                      Flammability: 3                      Reactivity 0**

**PRODUCT NAME: B611-006 French Lac**

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE:                      14/08/01  
SUPERCEDES:                      None  
MSDS NO.                      B611-006

## II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Ethanol	61-70	64-17-5	1000 ppm TWA; 1900 mg/m3 TWA
acetone	11-20	67-64-1	1000 ppm TWA; 2400 mg/m3 TWA
n-Propyl Acetate, Propyl Ester, Propyl Acetate	1-10	109-60-4	200 ppm TWA; 840 mg/m3 TWA
isopropanol	1-10	67-63-0	400 ppm TWA; 980 mg/m3 TWA
Methanol	1-10	67-56-1	200 ppm TWA; 260 mg/m3 TWA

## III. HAZARDS IDENTIFICATION

**Routes of Entry:** Inhalation., Ingestion., Skin contact., Eye contact., Absorption.  
**Medical Conditions Aggravated:** Eye disease. Liver disease. Skin disease including eczema and sensitization.  
Respiratory disease including asthma and bronchitis. Digestive tract disease.

### Immediate (Acute) Health Effects

**Inhalation**

**Extreme Warning:** Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

**General Warning:** Irritation may be delayed for several hours.

**Extreme Toxic Warning:** Highly toxic! Can cause systemic damage (see "Target Organs" ). Respiratory failure is possible at high doses.

**General Toxic Warning:** Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.

**Skin Contact**

**Extreme Warning:** Can cause minor skin irritation, defatting, and dermatitis.

**General Warning:** Substance causes moderate skin irritation.

**Eye Contact**

**Extreme Warning:** Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

**General Warning:** Mildly irritating but will not injure eye tissue.

**Skin Absorption**

**Extreme Warning:** Harmful if absorbed through the skin. May cause severe irritation and systemic damage.

**General Warning:** Contains methanol. Upon prolonged or repeated exposure, may cause deterioration of the optic nerve if large quantities are absorbed through the skin. Repeated absorption of large quantities may lead to blindness.

**Ingestion**

**Extreme Warning:** Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

**General Warning:** No data.

**Extreme Toxic Warning:** Toxic if swallowed. May cause target organ failure and/or death.

**General Toxic Warning:** Upon ingestion of a large quantity of this material, visual disturbances may occur. Onset of the response may be delayed.

**Target Organ Acute Toxicity:**

Ethyl alcohol	respiratory system, skin, eyes, CNS, liver, blood, reproductive system
Acetone	respiratory system, skin, eyes, CNS
n-Propyl acetate	skin, eyes, CNS, respiratory system
Isopropyl alcohol	eyes, skin, respiratory system
Methyl alcohol	skin, eyes, CNS, GI tract, respiratory system

**Long-Term (Chronic) Health Effects:**

**Carcinogenicity**

**Extreme Warning:** None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

**General Warning:**

**Reproductive and Developmental Toxicity**

**Extreme Warning:** No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

**General Warning:** No information available.

**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

**Inhalation**

**Extreme Warning:** Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

**General Warning:** No data.

**Skin Contact**

**Extreme Warning:** Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

**General Warning:** Prolonged or repeated contact may cause irritation.

**Eye Contact**

**Extreme Warning:** Upon prolonged or repeated contact, can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

**General Warning:** No data.

**Skin Absorption**

**Extreme Warning:** Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

**General Warning:** No data.

**Target Organ Chronic Toxicity Supplemental Health Hazard Information:**

Eyes. Blood. Liver. Skin. Nervous System. Respiratory Tract. Digestive Tract.  
No additional health information available.

**IV. FIRST AID**

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**Inhalation**

**Extreme Warning:**

Remove to fresh air. Get medical attention immediately. Have a trained individual administer humidified oxygen. If not breathing, give artificial respiration.

**General Warning:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Eyes**

**Extreme Warning:**

Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

**General Warning:**

No data.

**Skin Contact**

**Extreme Warning:**

Wash with soap and water. Get medical attention if irritation develops or persists.

**General Warning:**

No data.

**Ingestion**

**Extreme Warning:**

Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS.

**General Warning:**

No data.

**Notes to MD:**

No additional first aid information available.

**V. FIRE FIGHTING MEASURES**

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**Flammability Summary:**

**Flash Point:**

-20C; -4F

**Autoignition Temperature:**

465 deg. C

**Upper Flammable/Explosive Limit, % in air:**

12.8 @ 77° F

**Lower Flammable/Explosive Limit, % in air:**

2.5 @ 77° F

**Fire Hazards**

**Extreme Warning:**

Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.

**General Warning:**

Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death. Container may explode in heat of fire. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point.

**Extinguishing Media**

**Extreme Warning:**

Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

**General Warning:**

Use alcohol resistant spray, Carbon Dioxide, water spray or dry chemical to extinguish a fire involving this chemical. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

**Fire Fighting Instructions**

- Extreme Warning:** Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.
- General Warning:** Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death. Container may explode in heat of fire.  
Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point.
- Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

## VI. ACCIDENTAL RELEASE MEASURES

### **Health Consideration for Spill Response**

- Extreme Warning:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
- General Warning:** No data.

### **Spill Mitigation Procedures**

#### **General Methods:**

- Extreme Warning:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.
- General Warning:** Gather and store in a sealed container pending a waste disposal evaluation.

## VII. HANDLING AND STORAGE

### **Handling**

- Extreme Warning:** Harmful or irritating material. Avoid contact and avoid breathing the material. Use only in a well ventilated area.
- General Warning:** Wash thoroughly after handling. Avoid contact with material. Ground and bond containers when transferring material. Keep in air-tight containers- material is hygroscopic. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Use spark-proof tools and explosion-proof equipment. Remove contaminated clothing and wash before reuse.

### **Storage**

- Extreme Warning:** Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed.
- General Warning:** Do not store near combustible materials. Keep away from heat, sparks, and flame. Keep container closed when not in use.

## VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

### **Engineering Controls**

- Extreme Warning:** Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

**General Warning:** Facilities storing or using this material should be equipped with an eyewash and safety shower. Ventilation should effectively remove and prevent buildup of any vapor/mist/fume generated from the handling of this product. Explosion proof exhaust ventilation should be used.

### **Protective Equipment**

#### **Respiratory Tract**

Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage should be implemented.

#### **Eyes**

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

#### **Skin**

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

## **IX. PHYSICAL DATA**

Physical State:	COLORED LIQUID
Odor:	MODERATELY STRONG ALCOHOL
Solids Vol %	5.318
Solids Wt %	7.7231
Material VOC lbs/gal:	5.256
Material VOC gms/l:	631.1977
Weight per gallon:	6.7994

## **X. STABILITY AND REACTIVITY**

### **Stability Information**

**Extreme Warning:** Normally stable. Keep away from heat, sparks and flame.

**General Warning:** Stable.

### **Conditions to Avoid**

**Extreme Warning:** Sparks, open flame, other ignition sources, and elevated temperatures.

**General Warning:** Avoid: heat, sparks, flame and oxidizing agents.

### **Chemical Incompatibility:**

Strong oxidizing agents. Strong acids. Nitrogen oxides. Strong alkalis.

### **Hazardous Polymerization:**

Hazardous Polymerization will not occur.

## **XI. TOXICOLOGICAL INFORMATION**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
Ethyl alcohol	64-17-5	Inhalation LC50 Rat : 20000 ppm/10H; Inhalation LC50 Mouse : 39 gm/m <sup>3</sup> /4H; Oral LD50 Rat : 7060 mg/kg; Oral LD50 Mouse : 3450 mg/kg
Acetone	67-64-1	Inhalation LC50 Rat : 50100 mg/m <sup>3</sup> /8H; Inhalation LC50 Mouse : 44 gm/m <sup>3</sup> /4H; Oral LD50 Rat : 5800 mg/kg; Oral LD50 Mouse : 3 gm/kg
Acetic acid, propyl ester	109-60-4	Oral LD50 Rat : 9370 mg/kg; Oral LD50 Mouse : 8300 mg/kg; Dermal LD50 Rabbit : >20 mL/kg
Isopropyl alcohol	67-63-0	Inhalation LC50 Rat : 16000 ppm/8H; Oral LD50 Rat : 5045 mg/kg; Oral LD50 Mouse : 3600 mg/kg; Dermal LD50 Rabbit : 12800 mg/kg
Methanol	67-56-1	Inhalation LC50 Rat : 64000 ppm/4H; Oral LD50 Rat : 5628 mg/kg; Oral LD50 Mouse : 7300 mg/kg; Dermal LD50 Rabbit : 15800 mg/kg

## **XII. ECOLOGICAL INFORMATION**

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**Overview (for ingredients):** Keep out of waterways.  
**Ecological Toxicity Values:**

## **XIII. DISPOSAL CONSIDERATIONS**

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### **Waste Description for Spent Product:**

**Extreme Warning:** Spent or discarded material is a hazardous waste.  
**General Warning:** The waste may be a listed and/or characteristic hazardous waste.  
**Disposal Methods:**  
**Extreme Warning:** Dispose of by incineration following Federal, State, Local, or Provincial regulations.  
**General Warning:** Comply with all Local, State, Federal, and Provincial Environmental Regulations.  
**Potential EPA Waste Codes:** If discarded, this product is considered a RCRA ignitable waste, D001.

### **Components Subject to USEPA Land Disposal Restrictions:**

Acetone	67-64-1	14.8 %
Methanol	67-56-1	2.17 %

## **XIV. TRANSPORTATION INFORMATION**

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**DOT** Paint 3 UN1263 PGII

## **XV. REGULATORY INFORMATION**

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Toxic Substances Control Act (TSCA): A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances.

<b>Chemical Name</b>	<b>Regulation</b>	<b>CASRN</b>	<b>%</b>
Isopropyl alcohol	SARA 313 Reportable:	67-63-0	3.39
Methanol	SARA 313 Reportable:	67-56-1	2.17
Ethyl alcohol	California Proposition 65 Developmental Toxicity:	64-17-5	68.16
Ethanol	New Jersey Right To Know:	64-17-5	68.16
acetone	New Jersey Right To Know:	67-64-1	14.8
Natural Resin	New Jersey Right To Know:		7.17
n-Propyl acetate	New Jersey Right To Know:	109-60-4	3.77
isopropanol	New Jersey Right To Know:	67-63-0	3.39

## **XVI. ADDITIONAL INFORMATION**

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**Other Information:** IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

MSDS glossary.