



## Material Safety Data Sheet

Material Name: CALLA 602LF

ID: 82983

### \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Product Code:** Not available

**Product Use:** Parts cabinet cleaner. Meets all requirements of Air Force Source Control Drawing 9825019 Rev. C and meets Mil-C-29602 except Section 3.7. If this product is used in combination with other products, refer to the Material Safety Data Sheet for those products.

**Synonyms:** Not available

Safety-Kleen Systems, Inc.

Phone: 1-800-669-5740

5360 Legacy Drive

Building 2, Suite 100

Plano, TX 75024

Emergency # 1-800-468-1760

**Issue Date**

www.safety-kleen.com

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**Supersedes Issue Date**

December 4, 2008

**Original Issue Date**

October 26, 2004

PREPARED BY: Product MSDS Coordinator

APPROVED BY: MSDS Task Force

### \*\*\* Section 2 - Hazardous Identification \*\*\*

#### EMERGENCY OVERVIEW

##### Appearance

Straw color liquid with a slight odor.

##### Signal Word

CAUTION!

##### Health Hazards

May be harmful if swallowed, inhaled or absorbed through the skin.

May irritate the respiratory tract (nose, throat, and lungs), eyes, and skin.

May cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness and other central nervous system effects.

#### POTENTIAL HEALTH EFFECTS

##### Inhalation (Breathing)

High concentrations of vapor or mist may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, lungs). High concentrations of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects.

##### Eyes

May cause irritation.

##### Skin

May cause irritation. Dipropylene glycol monomethyl ether may be absorbed through the skin and cause harm as noted under **INHALATION (BREATHING)**.

##### Ingestion (Swallowing)

May be harmful if swallowed. May cause throat irritation, nausea, vomiting, central nervous system effects as noted under **INHALATION (BREATHING)**. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

##### Medical Conditions Aggravated by Exposure

Individuals with pre-existing respiratory tract (nose, throat, and lungs), central nervous system, eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

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## Chronic

Prolonged or repeated inhalation may cause toxic effects as noted under **INHALATION (BREATHING)**.  
Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

## Cancer Information

No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENICITY**.

## Environmental Hazards

Not available. Also see **SECTION 12: ECOLOGICAL INFORMATION**.

### \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS	Component	Percent
Not Available	Ethoxylated Alcohol	5-10
34590-94-8	Dipropylene glycol monomethyl ether	1-5
Not Available	Quaternary Amine Compound	1-5

### \*\*\* Section 4 - First Aid Measures \*\*\*

#### Inhalation (Breathing)

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.

#### Eyes

If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Get medical attention.

#### Skin

For skin contact flush with large amounts of water while removing contaminated clothing. Wash contaminated clothing before reuse. Seek medical attention.

#### Ingestion (Swallowing)

Do NOT induce vomiting. Immediately get medical attention. Call 1-800-468-1760 for additional information. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

#### Notes to Physicians

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

### \*\*\* Section 5 - Fire Fighting Measures \*\*\*

#### Hazardous Combustion Products

Product itself does not burn, but may decompose upon heating to produce carbon dioxide and carbon monoxide.

#### Conditions of Flammability

Product will not burn.

#### Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, or water fog.

#### Protective Equipment For Firefighting

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

#### Fire Fighting Equipment/Instructions

Keep storage containers cool with water spray.

#### NFPA Ratings: Health: 2 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

#### Fire and Explosion Hazards

Heated containers may rupture. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact or static discharge.

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## \*\*\* Section 6 - Accidental Release Measures \*\*\*

Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean tool into a sealable container for disposal.

Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Keep away from flame. Use clean tools. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes.

### Shipping and Storing

Keep container tightly closed when not in use and during transport. Store in a cool place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame. Empty product containers may retain product residue and can be dangerous. Store at temperatures below 120°F.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines

#### Component Exposure Limits

##### Dipropylene glycol monomethyl ether (34590-94-8)

**ACGIH:** 100 ppm TWA  
150 ppm STEL  
Skin - potential significant contribution to overall exposure by the cutaneous route

**OSHA Final:** 100 ppm TWA; 600 mg/m<sup>3</sup> TWA  
prevent or reduce skin absorption

**OSHA Vacated:** 100 ppm TWA; 600 mg/m<sup>3</sup> TWA  
150 ppm STEL; 900 mg/m<sup>3</sup> STEL  
Prevent or reduce skin absorption

**NIOSH:** 100 ppm TWA; 600 mg/m<sup>3</sup> TWA  
150 ppm STEL; 900 mg/m<sup>3</sup> STEL  
Potential for dermal absorption

### Engineering Controls

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

### Personal Protective Equipment: Respiratory

Use NIOSH-certified, full-face, air-purifying respirators with P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

### Personal Protective Equipment: Eyes/Face

Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

### Personal Protective Equipment: Skin

Where skin contact is likely, wear chemical impervious protective gloves; use of polyvinyl alcohol (PVA) or equivalent gloves is not recommended.

To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, whole body suits, or other protective clothing.

### Personal Protective Equipment: Personal Hygiene

Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. Discard affected clothing, shoes, and/or protective equipment if they cannot be thoroughly cleaned. Discard leather articles, such as shoes, saturated with this product.

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## Other Personal Protective Equipment

Where spills and splashes are likely, facilities storing or using this product should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance/Odor :</b>	Straw colored liquid	<b>pH:</b>	7-8
<b>Boiling Point:</b>	Not available	<b>Melting Point:</b>	Not available
<b>Solubility (H2O):</b>	Complete	<b>Specific Gravity:</b>	1
<b>Density:</b>	8.345 US lbs/gallon (1000g/L)	<b>Octanol/H2O Coeff.:</b>	Not available.
<b>Evaporation Rate:</b>	Slower than Ether (butyl acetate=1)	<b>Molecular Weight:</b>	Not available
<b>Odor Threshold:</b>	Not available.	<b>Auto Ignition:</b>	Not applicable
<b>LFL:</b>	Not applicable	<b>Flash Point:</b>	Not applicable (product will not burn)
<b>UFL:</b>	Not applicable	<b>Flash Point Method:</b>	Not available
		<b>Vapor Pressure:</b>	5mm of Hg @25°C

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Stability

Stable under normal temperatures and pressures.

### Incompatibility

Avoid oxidizing agents.

### Reactivity

Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.

### Hazardous Decomposition Products

None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

### Conditions To Avoid

Keep away from ignition sources and incompatible materials.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Toxicity Data

#### Component Analysis - LD50/LC50

**Dipropylene glycol monomethyl ether (34590-94-8)**

Oral LD50 Rat 5230 mg/kg; Dermal LD50 Rabbit 9500 mg/kg

### Acute Effects

May cause eye, skin and respiratory tract irritation. Component may be absorbed through the skin. May be harmful if swallowed or inhaled. High concentrations of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects.

### Repeated Dose Effects

Prolonged or repeated inhalation may cause toxic effects as noted for acute inhalation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis). Based on best current information, there is no known human sensitization associated with this product. Based on best current information, there is no known reproductive toxicity associated with this product.

### Carcinogenicity

#### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### Target Organ Effects

High concentrations of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects.

### Mutagenicity

Based on best current information, there is no known mutagenicity associated with this product.

### Teratogenicity

Based on best current information, there is no known teratogenicity associated with this product.

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## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

Based upon available information, product is not expected to be harmful to aquatic life.

### Component Analysis - Ecotoxicity - Aquatic Toxicity

Dipropylene glycol monomethyl ether (34590-94-8)

#### Duration/Test/Species

96 Hr LC50 Pimephales promelas

#### Concentration/Conditions/Notes

>10000 mg/L [static]

### Persistence/Degradability

No information available for the product.

### Bioaccumulation/Accumulation

No information available for the product.

### Mobility in Environmental Media

No information available for the product.

### Other Adverse Effects

No information available for the product.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### Disposal Instructions

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

### US EPA Waste Number & Descriptions

This product, if discarded, is not expected to be a characteristic or listed hazardous waste. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

## \*\*\* Section 14 - Transportation Information \*\*\*

### Emergency Response Guide Number

Not applicable. Reference *North American Emergency Response Guidebook*

**DOT Shipping Name:** Not regulated as a hazardous material.

**TDG Shipping Name:** Not regulated as a dangerous good.

### IATA Information

No Classification Assigned.

### IMDG Information

No Classification Assigned.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### Volatile Organic Compounds (As Regulated)

40 g/L as per 40 CFR Part 51.100(s)

### SARA Sections 311/312

This product poses the following health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

### SARA 302/304

#### Component Analysis

Based on the ingredients listed in **SECTION 3**, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

### SARA Section 313

This product does not contain "toxic" chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

### Component Analysis

This product does not contain any "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

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## CERCLA

### Component Analysis

Based on the ingredients listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

## TSCA

All the components of this product are listed on, or are automatically included as "naturally occurring chemical substances" on, or are exempted from the requirement to be listed on, the TSCA Inventory.

### Component Analysis

Component	CAS #	TSCA
Dipropylene glycol monomethyl ether	34590-94-8	Yes

## State Regulations

This product does not contain detectable amounts of any chemical known to the State of California to cause cancer.

This product does not contain detectable amounts of any chemical known to the State of California to cause birth defects or other reproductive harm.

## U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	MA	MN	NJ	PA	CA
Dipropylene glycol monomethyl ether	34590-94-8	Yes	Yes	Yes	Yes	Yes

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

## Canadian Regulations

Not for sale or use in Canada.

### Component Analysis

Component	CAS #	CAN
Dipropylene glycol monomethyl ether	34590-94-8	DSL

## Canadian WHMIS Information

Not for sale or use in Canada.

### Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

**Dipropylene glycol monomethyl ether (34590-94-8)** 1 %

## Canadian Environmental Protection Act (CEPA)

Not for sale or use in Canada.

## \*\*\* Section 16 - Other Information \*\*\*

### Label/Other Information

Not available.

### Revision Information

Regulatory update. Revised format (Sections 2 and 3 switched). Section 1 (Address changed, Revision dates), Section 4 (First-Aid, Skin), Section 5 (Fire fields), Section 8 (Added exposure limits), Section 11 (Toxicology fields), Section 12 (Component Ecotoxicity), Section 16 (Revision).

### Disclaimer

User assumes all risks incident to the use of this (these) product(s). To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either express or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.

End of Sheet 82983