

# MATERIAL SAFETY DATA SHEET

Anodal PTFE liq

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Substance key: COV231607  
Version : 1 - 3 / CDN

Revision Date: 07/04/2012  
Date of printing :08/17/2012

WHMIS controlled: no

## Section 01 - Product and company identification

**Identification of the company:**

Clariant (Canada) Inc.  
2 Lone Oak Court  
Toronto, Ontario, M9C 5R9  
Telephone No.: +1 514-832-2559

**Information of the substance/preparation:**

ESHA  
Phone (514) 832 2559, Fax (704) 330 1505  
Canada.PS@Clariant.com

**Emergency tel. number:** +1 CANUTEC (613) 996-6666

**Trade name:** Anodal PTFE liq  
**Chemical family:** Fluoropolymer Dispersion  
**Primary product use:** Aluminum Surface Preparation Chemical

## Section 02 - Hazards identification

**Health effects of exposure:**

Eye and skin contact may cause irritation. Inhalation of vapours or mists may irritate the respiratory tract.

**Listed carcinogen:**

IARC: No  
NTP: No  
OSHA: No  
Other: No

## Section 03 - Composition/information on ingredients

**Hazardous ingredients:**

Component	CAS number	Concentration
Polyethylene glycol octylphenyl ether	9036-19-5	1 - 5 %

Disclosed for information purposes only.  
Hazardous component is present on WHMIS Ingredient Disclosure List.

## Section 04 - First aid measures

**After inhalation:**

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped or is difficult. Get prompt medical attention. Do not give fluids if victim is unconscious.

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**After contact with skin:**

Remove contaminated clothing and wash affected areas with soap and plenty of water for at least 15 minutes. If redness or skin irritation occurs, seek medical attention.

**After contact with eyes:**

Immediately wash the eyes with flowing water for at least 15 minutes. Insure proper irrigation by occasionally lifting upper and lower eyelids. Thereafter seek prompt medical attention.

**After ingestion:**

If ingested, do not induce vomiting. Get immediate medical assistance.

**Advice to doctor / Treatment:**

None known.

## Section 05 - Fire fighting measures

<b>Flashpoint:</b>	Non-Flammable
<b>Lower explosion limit:</b>	not tested.
<b>Upper explosion limit:</b>	not tested.
<b>Ignition temperature:</b>	> 575 °C
<b>Extinguishing media:</b>	Carbon dioxide, water spray, dry chemical, alcohol resistant foam.
<b>Unusual fire and explosion hazards:</b>	Fluoropolymers will degrade upon prolonged heating or in a fire, liberating carbonyl fluoride and hydrogen fluoride(hf). Decomposition products are toxic if inhaled or they come into contact with moist skin. hf has an acgih tlv ceiling limit and an osha pel twa of 3 ppm. Carbonyl fluoride has an ACGIH TLV TWA and OSHA PEL TWA of 2 ppm.

**Hazardous combustion products:**

Thermal decomposition of the polymer (at temperatures > 662 F) will generate hydrogen fluoride which is corrosive. Other fluorinated products, oxides of carbon and other irritating or toxic gases may be generated during a fire.

## Section 06 - Accidental release measures

**Steps to be taken in case of spill or leak:**

Spills will create extremely slippery conditions. Use caution during cleanup operations to avoid falls. Wear suitable protective equipment. Ensure adequate ventilation. Contain spill and pump into proper containers using compatible equipment. Smaller spills may be recovered using an inert absorbent material (sand, kieselguhr) and collected into suitable containers. Do not allow to enter sewers, storm drains, surface waters or the soil.

## Section 07 - Handling and storage

**Advice on safe handling:**

Use only with adequate ventilation and proper protective eyewear, gloves, and clothing.

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## Further info on storage conditions:

Keep container tightly closed in a cool, well-ventilated place

## Section 08 - Exposure controls / personal protection

<b>Respiratory protection:</b>	Wear an approved respirator if vapours or mists are generated when handling or processing this product. Use appropriate filters. Do not exceed filters limitations.
<b>Hand protection:</b>	Rubber or Neoprene Gauntlet Gloves
<b>Eye protection:</b>	Wear safety glasses with side-shields.
<b>Other protective equipment:</b>	Wear clothing suitable to avoid skin contact.
<b>Advice on system design:</b>	Local ventilation recommended - mechanical ventilation may be used.

## Section 09 - Physical and chemical properties

<b>Form:</b>	Liquid
<b>Color:</b>	Clear to gray
<b>Odor:</b>	not specified
<b>pH:</b>	> 9
<b>Solubility in water:</b>	Dispersible
<b>Boiling point :</b>	100 °C Based on water-content.

## Section 10 - Stability and reactivity

<b>Chemical stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur. Conditions to avoid: None known.

## Section 11 - Toxicological information

<b>Acute oral toxicity:</b>	LD50 > 500 mg/kg (rat)
<b>Acute inhalation toxicity:</b>	No data.
<b>Acute dermal toxicity:</b>	LD50 > 2,000 mg/kg (rabbit)

## Section 12 - Ecological information

<b>Biodegradation:</b>	90 % (28 d) Method: OECD 301 E
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**Biodegradation:** 70 % (28 d)  
Method: OECD 301 B

**Fish toxicity:** No data available.

**Daphnia toxicity:** No data available.

**Algae toxicity:** No data available.

**Remarks:**  
Toxic to aquatic organisms.

### Section 13 - Disposal considerations

**Waste disposal information:**  
Wastes may be incinerated or landfilled after solidification in approved sites. Follow local regulations.

### Section 14 - Transport information

**TDG** not restricted

**IATA** not restricted

**IMDG** not restricted

### Section 15 - Regulatory information

**Registration status**

DSL: yes  
NDSL: no

**CEPA**

Listed as priority substance: no  
Listed as toxic substance: no

**NPRI** no

**TSCA Status:**  
All components of this product are listed on the TSCA Inventory.

**FDA:**  
This product is not registered with the FDA.

### Section 16 - Other information

The information contained on this MSDS is to the best of our knowledge an accurate summary of the data available as of the date of preparation. Clariant (Canada) Inc. is not liable for the application or use of this information in situations beyond its control or outside

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the normal and expected use of its product. Clariant (Canada) Inc. assumes no responsibility for damage or injury from the use of the product described herein.