



Manufactured by: D.W. ELECTROCHEMICALS LTD.  
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Number 1

# TECHNICAL NOTE

**Material Safety Data Sheet - Stabilant 22<sup>(TM)</sup> – Expires 12/31/2014**

## DESIGNATION

**Name:** Stabilant 22 (No synonyms)

**Use:** Electronic Contact Enhancer

**Chemical Name & Identity:** 100% [No Fire or Health Hazard] - falls under **CAS 9003-11-6** (*a Modified Polyoxypropylene-Polyoxyethylene Block Polymer of the Polyglycol Family*)

**Family:** Polyglycol

## HAZARDOUS INGREDIENTS

**Hazardous Ingredients:** (EPA & TSCA) - None  
(WHMIS) – None

## PHYSICAL DATA

**Physical State:** Liquid

**Appearance:** Cloudy to clear liquid

**Odor:** Faint musty odor

**Odor Threshold:** No data

**Melting Point:** Pour point 16° Celsius

**Boiling Point:** None

**Specific Gravity:** 1.05

**Density:** 1.05 gms/ml

**Decomposition Temp:** >210° Celsius

## HEALTH EFFECTS DATA

<b>Routes of Entry:</b>	Not to be taken orally, no prolonged skin or eye irritation noted on prolonged exposure
<b>LD<sub>50</sub>:</b>	5 g/kg (Oral)
<b>Tested on:</b>	Rats
<b>Skin Overexposure effects:</b>	Prolonged-skin or eye contact may cause light temporary irritation
<b>Skin Irritation:</b>	Limited tests indicate no significant long term irritation
<b>Eye Irritation:</b>	Limited tests indicate no significant long term irritation
<b>Inhalation Acute:</b>	Very low vapor pressure suggests that this would not be applicable
<b>Inhalation Chronic:</b>	Very low vapor pressure suggests that this would not be applicable
<b>Oral Ingestion:</b>	Oral ingestion of <b>small</b> amounts will cause diarrhea  Oral ingestion of <b>large</b> amounts could cause systemic collapse
<b>Effects of Acute Exposure:</b>	Oral - see above; Skin or eye, Limited tests indicate no significant long term irritation
<b>Effects of Chronic Exposure:</b>	Oral - see above Skin or eye - limited tests indicate no significant long term irritation
<b>Exposure Limits:</b>	No tests run - very low vapor pressure combined with the very low toxicity and the small surface areas of the material when applied to contacts suggests that for practical purposes it would be virtually impossible to reach an airborne concentration that would be injurious. Limited testing on skin exposure indicates no significant long term irritation or sensitization. We suggest a precautionary washing of the exposed areas with soap and water.
<b>Sensitization to Material:</b>	Limited tests indicate no sensitization effects
<b>Carcinogenicity:</b>	None known
<b>Reproductive Effects:</b>	No tests run
<b>Teratogenicity:</b>	No tests run

**OTHER REGULATORY INFORMATION**

**United States:**

The materials in this product have been reviewed and are not reportable under SARA title III  
-This material is included in the TSCA inventory  
-OSHA Classification: Non-hazardous

**Customs:**

The material is classified as *Semiconductors, Other*  
- under *Harmonized Tariff Code 8541.50.00.80*

**Canada:**

This material is included on the *Domestic Substances List* under *CEPA*  
-NDSL - Not listed

**SPECIAL STORAGE PRECAUTIONS**

**Handling & Storage Procedures:**

Avoid eye contact and prolonged skin contact.  
Store in a cool, dry location.

**SPECIAL SHIPPING INFORMATION**

**Shipping Name:** Stabilant 22  
-Semiconductor, Other

**PIN (Product ID#):** None

**Packing Group --**

**Class:** Non-toxic

**Special Provision:** None

**Subsidiary Class:** None

**Schedule XII:** Not applicable  
(Harmonized Tariff Code) 8541.50.00.80

**FIRST AID - EMERGENCY**

**Fire:**

No special requirements known

**Eyes:**

Flush immediately with flowing water for a period of at least 10 minutes and consult a physician

**Skin:**

Wash with soap and water. Remove and launder contaminated clothing before re-use. Consult a physician if irritation develops at site of exposure.

**Ingestion:**

Induce vomiting and consult a physician

**Ozone Depleting Chemicals:**

Because of our corporate opposition to the use of ODC's either in the manufacture of, or as an inclusion in any of our products, D.W. Electrochemicals Ltd. has consistently refused to provide any of our products in aerosol spray packaging and/or to supply any of our materials diluted with any Class 1 ODC, and we so certify.

**PCB's:**

We certify that this material has been subjected to tests capable of detecting PCB's to a level of less than 2 parts per million and no PCB's have been found.

**Packaging:**

New standards are in place in an attempt to reduce the amount of plastics, tape and/or adhesives used and to ensure that our packaging may be reused or recycled.

**MSDS PREPARATION DATA & EMERGENCY PHONE NUMBER**

<b>Prepared By:</b>	Wm Wright
<b>Department:</b>	Engineering
<b>Preparation Date:</b>	December 31 <sup>st</sup> , 2011
<b>Current Revision:</b>	Revision 30
<b>Emergency Phone:</b>	(905) 508-7500
<b>Emergency Contact:</b>	Wm Wright

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Patented Canada 1987, Us Patent 4696832. Others Pending.

**NATO/CAGE Supplier code #38948**  
**- 15 mL Stabilant 22 has NATO Stock Number 5999-21-909-9981**

D.W. Electrochemicals Ltd. urges each customer or recipient of this MSDS to study it carefully to become aware of/and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS.

To promote safe use and handling of this product, each customer or recipient should

- (1) notify employees, agents, contractors and others who may use this material, of the information in this MSDS and any other information regarding hazards or safety,
- (2) Furnish this same information to each customer for the product, and
- (3) request customers to notify their employees, customers, and other users of the product of this information.

The information and recommendations contained herein are based on data believed to be correct, however no guarantee or warranty of any kind, expressed or implied, is made with respect to information and recommendations contained herein except where certified.

RoHS Article 4(1) Compliant

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*Revision 30*