

## MATERIAL SAFETY DATA SHEET

Palladium atomic absorption standard solution, 1 mg/ml Pd in 10% HCl

## Section 1 - Chemical Product and Company Identification

<b>MSDS Name:</b>	Palladium atomic absorption standard solution, 1 mg/ml Pd in 10% HCl
<b>Catalog Numbers:</b>	19617-0000, 19617-1000, 19617-5000
<b>Synonyms:</b>	
<b>Company Identification:</b>	Acros Organics BVBA Janssen Pharmaceuticaaan 3a 2440 Geel, Belgium
<b>Company Identification: (USA)</b>	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
<b>For information in the US, call:</b>	800-ACROS-01
<b>For information in Europe, call:</b>	+32 14 57 52 11
<b>Emergency Number, Europe:</b>	+32 14 57 52 99
<b>Emergency Number US:</b>	201-796-7100
<b>CHEMTREC Phone Number, US:</b>	800-424-9300
<b>CHEMTREC Phone Number, Europe:</b>	703-527-3887

## Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
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Hazard Symbols: XI



Risk Phrases: 36/37/38

## Section 3 - Hazards Identification

## EMERGENCY OVERVIEW

*Irritating to eyes, respiratory system and skin.*

## Potential Health Effects

<b>Eye:</b>	Causes eye irritation.
<b>Skin:</b>	Causes skin irritation. May be harmful if absorbed through the skin.
<b>Ingestion:</b>	May cause irritation of the digestive tract. May be harmful if swallowed.
<b>Inhalation:</b>	Causes respiratory tract irritation. May be harmful if inhaled.
<b>Chronic:</b>	

## Section 4 - First Aid Measures

<b>Eyes:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper
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and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

### Section 7 - Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

**Personal Protective Equipment**

**Eyes:** Wear chemical splash goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Section 9 - Physical and Chemical Properties

**Physical State:** Clear liquid

**Color:** brown-red

**Odor:** odorless

**pH:** Not available

**Vapor Pressure:** Not available

**Viscosity:** Not available

**Boiling Point:** 108.6 deg C @ 760 mmHg ( 227.48°F)

**Freezing/Melting Point:** -25 deg C ( -13.00°F)

**Autoignition Temperature:** Not available

**Flash Point:** Not available

**Explosion Limits: Lower:** Not available  
**Explosion Limits: Upper:** Not available  
**Decomposition Temperature:** Not available  
**Solubility in water:** Miscible  
**Specific Gravity/Density:** 1.0500g/cm<sup>3</sup>  
**Molecular Formula:**  
**Molecular Weight:**

### Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** Incompatible materials.  
**Incompatibilities with Other Materials** Metals, strong bases, amines.  
**Hazardous Decomposition Products** Hydrogen chloride.  
**Hazardous Polymerization** Has not been reported.

### Section 11 - Toxicological Information

**RTECS#:**

**LD50/LC50:** Other: CAS 7647-01-0: Inhalation, rat: LC50 = 3124 ppm/1H Oral, rabbit: LD50 = 900 mg/kg Inhalation, mus: LC50 = 1108 ppm/1H Inhalation, guinea pig: LCL0 = 4413 ppm/30M Inhalation, rabbit: LCL0 = 4413 ppm/30M Inhalation, human: LCL0 = 3000 ppm/5M Inhalation, human: LCL0 = 1300 ppm/30M

**Carcinogenicity:**

**Other:** The toxicological properties have not been fully investigated.

### Section 12 - Ecological Information

Not available

### Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

### Section 14 - Transport Information

	<b>IATA</b>	<b>IMO</b>	<b>RID/ADR</b>
<b>Shipping Name:</b>	HYDROCHLORIC ACID	HYDROCHLORIC ACID	HYDROCHLORIC ACID
<b>Hazard Class:</b>	8	8	8
<b>UN Number:</b>	1789	1789	1789
<b>Packing Group:</b>	III	III	III

### Section 15 - Regulatory Information

#### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

Canada

#### US Federal

**Section 16 - Other Information**

**MSDS Creation Date:** 7/16/1996

**Revision #1 Date** 6/08/2001

**Revisions were made in Sections:** General revision.

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