




## SDS – Degreaser/Absorbent Pen PL-1002

### 1. Product and Company Identification

<b>Product Name</b>	Degreaser/Absorbent Pen PL-1002
<b>Other Product Name(s)</b>	PL-1002 Degreaser/Absorbent Pen
<b>Product Use</b>	Gold electroplating
<b>Manufacturer</b>	Hunter Products, Inc. P.O. Box 6795 Bridgewater, NJ 08807 908-526-8440
<b>Emergency Telephone Number</b>	908 581 1499

### 2. Hazards Identification

**Emergency Overview:** Black pen-like dispenser of compound containing a degreasing and absorbing fluid use in electroplating. Compound is mild eye irritant and not flammable.

<b>OSHA Regulatory Status</b>	Hazardous
<b>OSHA Classification</b>	Eye damage/irritation 2
<b>OSHA Signal Word</b>	WARNING
<b>OSHA Hazard Statements</b>	Causes serious eye irritation.
<b>OSHA Precautionary Statements</b>	Wear safety glasses or goggles. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Keep out of the reach of children.
<b>OSHA Label Symbols</b>	
<b>Other Hazards Not Specified by OSHA</b>	None

#### Potential Health Effects:

<b>Skin</b>	May cause mild irritation.
<b>Eyes</b>	Causes irritation.
<b>Ingestions</b>	May cause discomfort to digestive system.
<b>Inhalation</b>	May cause mild irritation.
<b>Chronic Effects</b>	None anticipated

Ingredients found on established carcinogen lists:

<b>Ingredient</b>	<b>NTP Status</b>	<b>IARC Statue</b>	<b>OSHA List</b>
No ingredients listed	---	---	---

### 3. Composition / Information on Ingredients

<b>Chemical Name</b>	<b>CAS #</b>	<b>EC Number</b>	<b>Wt. %*</b>
Polyethylene octylphenyl (Oral tox 4, Skin irritation 2B, Eye damage 1)	9002-93-1	Polymer	1 – 3
Propylene glycol	57-55-6	200-338-0	0.5 – 1
Ammonium water (Skin corrosive 1B)	1336-21-6	215-647-6	0.5 – 1

Ammonium citrate dibasic	(Eye irritant 2, STOT-SE 3	3012-65-5	221-146-3	1 - 5
Water (not hazardous)		7732-18-5	231-791-2	85 – 95

#### 4. First Aid Measures

<b>Skin</b>	If on skin wash with plenty of water. If skin irritation occurs: Get medical advice/attention.
<b>Eyes</b>	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
<b>Ingestions</b>	Contact a poison control center.
<b>Inhalation</b>	Remove to fresh air.
<b>Advice to Physician</b>	Treat symptomatically.

#### 5. Fire Fighting Measures

<b>Extinguishing Media:</b>	Use any medial suitable for surrounding fire.
<b>Fire/Explosion Hazards:</b>	None noted
<b>Fire Fighting Procedures:</b>	Wear normal turn-out gear. Avoid contact with skin and eyes. Wear self-contained respiratory protection.
<b>Flammable Limits:</b>	None
<b>Flash Point</b>	None
<b>Auto ignition Temperature:</b>	Not determined
<b>Hazardous Combustion Products:</b>	Toxic inorganic and organic compounds..

#### 6. Accidental Release Measures

<b>Personal Precautions:</b>	Wear proper personal protective equipment indicated in Section 8.
<b>Containment:</b>	Pick up pen(s).from ground.or other surface
<b>Clean Up:</b>	Discharge of contents highly unlikely. In case of liquid spill, use absorbent like clay or kitty litter and place in container for disposal.
<b>Notification Requirements:</b>	None noted

#### 7. Handling and Storage

<b>Handling:</b>	Wear proper personal protective equipment indicated in Section 8. Wash hands before eating or drinking.
<b>Storage:</b>	Should be stored in a dry location. Keep packages tightly closed to minimize product contamination. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

<b>Engineering Controls:</b>	Appropriate ventilation for removal of all electroplating vapors should be used.
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### Personal Protective Equipment:

<b>Eyes and Face:</b>	Wear safety glasses or chemical goggles to avoid accidental eye contact.
<b>Respiratory:</b>	Point ventilation to remove all electroplating vapors and fumes should be used.
<b>Hands, Arms, and Body:</b>	Use work gloves and aprons suitable for electroplating operations.
<b>Other</b>	Safety shower and an eyewash (or source of running water) should be available for emergency exposures.

### Exposure Guidelines:

Ingredient	ACGIH TLW	ACGIH STEL	OSHA PEL	OSHA STEL
No ingredients listed	---	---	---	---

## 9. Physical and Chemical Properties

<b>Appearance &amp; Physical State</b>	Black pen-like device containing odorless and colorless liquid
<b>Odor:</b>	None
<b>Odor Threshold:</b>	None
<b>pH</b>	Not determined
<b>Specific Gravity (Relative density):</b>	1
<b>Initial Boiling Point &amp; Range:</b>	Greater than water
<b>Melting Point /Freezing Point:</b>	Less than water
<b>Evaporation Rate:</b>	Not determined
<b>Percent Volatile:</b>	Not determine
<b>Solubility in Water</b>	Completely soluble
<b>Vapor Density:</b>	Not determined
<b>Vapor Pressure:</b>	Not determined
<b>Upper/ Lower Flammable Limits:</b>	None
<b>Flash Point</b>	None
<b>Auto ignition Temperature:</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable
<b>Octanol/water partition coefficient</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	Not determined

## 10. Stability and Reactivity

<b>Stability:</b>	Stable product
<b>Conditions to Avoid:</b>	None anticipated
<b>Materials to avoid</b>	None anticipated.
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products</b>	Organic compounds that may be irritating.

## 11. Toxicological Information

<b>Eye:</b>	Causes eye irritation.
<b>Skin:</b>	May cause irritation to sensitive individual
<b>Oral:</b>	Estimated > 2000 mg/kg (oral, rat)
<b>Inhalation:</b>	Processing vapors may cause irritation.
<b>Chronic:</b>	No effects anticipated.

## 12. Ecological Information

<b>Acute ecotoxicity:</b>	Not determined
<b>Chronic ecotoxicity</b>	Not determined
<b>Other information</b>	None

## 13. Disposal Considerations

<b>RCRA Status</b>	Not a hazardous waste if discarded
<b>Disposal Method:</b>	Conform with Federal, State and Local regulations.

## 14. Transportation Considerations

<b>DOT Proper Shipping Name:</b>	Not regulated for transport
<b>DOT Primary Hazard Class</b>	Not applicable
<b>DOT UN / NA Number:</b>	Not applicable
<b>DOT Packing Group</b>	Not applicable
<b>TDG (Canada)</b>	Not regulated for transport
<b>IMDG (International water)</b>	Not regulated for transport
<b>ICAO (Air transport)</b>	Not regulated for transport

## 15. Regulatory Information

### UNITED STATES:

#### Toxic Substances Control Act (TSCA)

<b>TSCA Inventory Status:</b>	Listed on TSCA Chemical Inventory
<b>Other TSCA Issues:</b>	None

#### SARA Title III/CERCLA

Ingredients with "Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs).

<b>Ingredient</b>	<b>SARA/CERCLA RQ (lb.)</b>	<b>SARA EHS TPQ (lb.)</b>
Ammonia water (Ammonium hydroxide)	1000	---

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

<b>SARA 311 Hazard Class:</b>	Immediate
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**SARA 313 Toxic Chemicals:**

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements. CAS numbers and weight percents are found in Section 2.

Ingredient	Comment
Ammonia water (Ammonium hydroxide)	Must be reported annually (EPCRA regulation)

**State Right-To-Know**

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

Ingredient	Weight %	Comment
No ingredients listed	----	----

<b>Additional Regulatory Information:</b>	None
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**16. Other Information**

- Keep out of the reach of children.

<b>Issue Date:</b>	August 13, 2015
<b>Previous Issue Date:</b>	June 10, 2015
<b>Changes from previous version:</b>	Updated regulatory data in section 15..

**National Fire Protection Assoc. (NFPA) Classification:**

4 = Severe; 3 = Serious; 2 = Moderate; 1 = Slight, 0 = Minimal

Health 2      Flammability 0      Reactivity 0

**Hazardous Materials Information Systems (HMIS):**

4 = Extreme; 3 = High; 2 = Moderate; 1 = Slight; 0 = Insignificant

Health 2      Flammability 0      Physical Hazard 0