




SDS – Degreaser/Absorbent Pen for Stainless Steel PL-1014

1. Product and Company Identification

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| Product Name | Degreaser/Absorbent Pen for Stainless Steel PL-1014 |
| Other Product Name(s) | PL-1014 Degreaser/Absorbent Pen |
| Product Use | Gold electroplating |
| Manufacturer | Hunter Products, Inc. 36 Madison Ave. Flemington NJ 08822 908-526-8440 |
| Emergency Telephone Number | 908-230-0800 |

2. Hazards Identification

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

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| OSHA Regulatory Status | Hazardous |
| OSHA Classification | Eye damage/irritation 2 |
| OSHA Signal Word | WARNING |
| OSHA Hazard Statements | Causes serious eye irritation. |
| OSHA Precautionary Statements | 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. |
| OSHA Label Symbols |  |
| Other Hazards Not Specified by OSHA | None |

Potential Health Effects:

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| Skin | May cause mild irritation. |
| Eyes | Causes irritation. |
| Ingestions | May cause discomfort to digestive system. |
| Inhalation | May cause mild irritation. |
| Chronic Effects | None anticipated |

Ingredients found on established carcinogen lists:

| Ingredient | NTP Status | IARC Statue | OSHA List |
|-----------------------|-------------------|--------------------|------------------|
| No ingredients listed | --- | --- | --- |

3. Composition / Information on Ingredients

| Chemical Name | CAS # | EC Number | Wt. %* |
|---|--------------|------------------|---------------|
| Polyethylene octylphenyl (Oral tox 4, Skin irritation 2B, Eye damage 1) | 9002-93-1 | Polymer | 0.5 – 1 |
| Propylene glycol | 57-55-6 | 200-338-0 | 0.5 – 1 |
| Glicolic acid | 79-14-1 | 201-180-5 | 0.5 – 1 |

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| Ammonium water (Skin corrosive 1B) | 1336-21-6 | 215-647-6 | 0.5 – 1 |
| Sulfuric acid (Skin corrosion 1A, Eye damage 1) | 7664-93-9 | 231-639-5 | < 1 |
| Water (not hazardous) | 7732-18-5 | 231-791-2 | 85 – 95 |

4. First Aid Measures

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| Skin | If on skin wash with plenty of water. If skin irritation occurs: Get medical advice/attention. |
| Eyes | 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. |
| Ingestions | Contact a poison control center. |
| Inhalation | Remove to fresh air. |
| Advice to Physician | Treat symptomatically. |

5. Fire Fighting Measures

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

6. Accidental Release Measures

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

7. Handling and Storage

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| Handling: | Wear proper personal protective equipment indicated in Section 8. Wash hands before eating or drinking. |
| Storage: | 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

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| Engineering Controls: | Appropriate ventilation for removal of all electroplating vapors should be used. |
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Personal Protective Equipment:

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| Eyes and Face: | Wear safety glasses or chemical goggles to avoid accidental eye contact. |
| Respiratory: | Point ventilation to remove all electroplating vapors and fumes should be used. |
| Hands, Arms, and Body: | Use work gloves and aprons suitable for electroplating operations. |
| Other | 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

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

10. Stability and Reactivity

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

11. Toxicological Information

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| Eye: | Causes eye irritation. |
| Skin: | May cause irritation to sensitive individual |
| Oral: | Estimated > 5000 mg/kg (oral, rat) |
| Inhalation: | Processing vapors may cause irritation. |
| Chronic: | No effects anticipated. |

12. Ecological Information

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| Acute ecotoxicity: | Not determined |
| Chronic ecotoxicity | Not determined |
| Other information | None |

13. Disposal Considerations

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

14. Transportation Considerations

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

15. Regulatory Information

UNITED STATES:

Toxic Substances Control Act (TSCA)

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| TSCA Inventory Status: | Listed on TSCA Chemical Inventory |
| Other TSCA Issues: | None |

SARA Title III/CERCLA

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

| Ingredient | SARA/CERCLA RQ (lb.) | SARA EHS TPQ (lb.) |
|------------------------------------|-----------------------------|---------------------------|
| Ammonia water (Ammonium hydroxide) | 1000 | --- |
| Sulfuric acid | 1000 | 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.

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| SARA 311 Hazard Class: | 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 | ---- | ---- |

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| Additional Regulatory Information: | None |
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16. Other Information

- Keep out of the reach of children.

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| Issue Date: | August 13, 2015 |
| Previous Issue Date: | January 1, 2008 |
| Changes from previous version: | Revision of format to meet HCS 2012. |

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