

SECTION 1: Identification

1.1. Identification

Product form : Mixtures
 Product name : Electroless Copper Activator
 Product code : PRINSTA-P10001

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: For laboratory and manufacturing use only.
 Restrictions on use: Not for food, drug or household use

1.3. Details of the supplier of the safety data sheet

Prinsta Inc
 19 Morris Ave – NewLab BLDG 128
 Brooklyn, NY 11205
 USA T 917-719-0102

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887

Article I. SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute toxicity, oral (chapter 3.1), Cat. 4
 Skin corrosion/irritation (chapter 3.2), Cat. 3
 Eye damage/irritation (chapter 3.3), Cat. 2B

2.2. Label elements

Pictogram



Warning

Harmful if swallowed
 Causes mild skin irritation
 Causes eye irritation

Signal Word

Hazard Statements

H302:
 H316:
 H320:

Precautionary Statements

P264
 P270
 P301+P312
 P330
 P501
 P332+P313

Wash (location/object) thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 IF SWALLOWED: Call a POISON CENTER/DOCTOR if you feel unwell.
 Rinse mouth.
 Dispose of contents/container to qualified person.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and continue rinsing.

P305+P351+P338

If eye irritation persists: Get medical attention/advice.

2.3. Other hazards

Other hazards not contributing to the : None.

Electroless Copper Activator

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

classification

2.4. Unknown acute toxicity (GHS US)

Not applicable

Article II. SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	90-98	Not classified
Hydrochloric Acid (<37%)	(CAS No) 7647-01-0	1-5	Skin Corrosion /irritation (chapter 3.2), Cat. 1B Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3 H314 H335
Palladium Chloride	(CAS No) 7647-10-0	1-5	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). May be mildly irritation to eyes, throat and skin if directly exposed.
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest. If not breathing, give artificial respiration.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Obtain emergency medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Any

5.2. Special hazards arising from the substance or mixture

Reactivity : None.

SECTION 6: Accidental release measures

Electroless Copper Activator

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

: Safety glasses, rubber gloves and rubber apron.

Emergency procedures

: Evacuate unnecessary personnel. Use caution during clean-up; avoid stepping into spilled solid or clean-up procedures that generate substantial amounts of dust.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

Article III. SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Provide good ventilation in process area to prevent formation of vapor. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately. Keep out of reach of children.

Hygiene measures

: Do not eat, drink, smoke, or apply cosmetics when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep container closed when not in use. Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Empty containers may contain residual material; therefore, empty containers should be handled with care. Material should be stored in secondary containers, or in a diked area, as appropriate. Storage and use areas should be covered with impervious materials. Inspect all.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrogen chloride (7647-01-0)

PEL (Inhalation): (C) 5 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): (C) 7mg/ m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): (C) 5 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): (C) 5 ppm (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

Water (7732-18-5)

Not applicable

8.2. Exposure controls

Electroless Copper Activator

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Safety showers, eye wash station, and hand-washing equipment should be available.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Avoid all unnecessary exposure. Gloves. Safety glasses.



Skin protection	: Wear protective gloves such as neoprene or nitrile based gloves. Use triple gloves for spill response, as stated in Section 6 (Accidental Release Measures) of this SDS.
Eye/Face protection	: Chemical goggles or safety glasses.
Respiratory protection	: None needed under normal conditions of use. Use NIOSH approved respirators if ventilation is inadequate to control sprays or mists. For situations in which significant amounts of sprays or mists could be generated, wear an air-purifying respirator with a high-efficiency particulate filter.
Body protection	: Use a body protection appropriate to task(e.g., lab coat, coveralls, or apron). Care should be taken to select protection for potentially exposed areas when prolonged exposure could occur in occupational settings.

Article IV. SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Light Brown Liquid.
Odor	: Acrid, Pungent
Odor threshold	: No data available
pH	: < 1
Melting point	: 32 deg F
Freezing point	: No data available
Boiling point	: 102 deg C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: 1
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: 190 mm Hg at 25 deg C
Relative vapor density at 20 °C	: 1
Relative density	: 1.01
Specific gravity / density	: 1 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Auto-ignition temperature	: No data available

Electroless Copper Activator

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Decomposition temperature	: > 105 deg C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not applicable.
Oxidizing properties	: None.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive under typical conditions of use or handling.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

This product is not self-reactive or air-reactive. This product will not undergo hazardous polymerization.	
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10.4. Conditions to avoid

None.

10.5. Incompatible materials

This product is not compatible with strong oxidizers, strong acids and water-reactive substances.

10.6. Hazardous decomposition products

Nitrogen oxides. Carbon monoxide. Carbon dioxide.

Article V. SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure	: Skin and eye contact
Acute toxicity	: Inhalation Rat LC50: 90 pp7/1hour Oral Rabbit LD50: 27 g/kg
Skin corrosion/irritation	: Mild irritation may occur
Serious eye damage/irritation	: Mild irritation may occur
Respiratory or skin sensitization	: Mild irritation may occur
Germ cell mutagenicity	: Not classified
Carcinogenicity	: IARC Category 3
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified

Electroless Copper Activator

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Article VI. SECTION 12: Ecological information

12.1. Toxicity

None Expected

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

(IMDG)

In accordance with IMDG

Not regulated

(IATA)

In accordance with IATA

Not regulated

Article VII. SECTION 15: Regulatory information

15.1. US Federal regulations: Safety, health and environmental regulations specific for this product in question

All components of this product are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Massachusetts Right To Know Components

Chemical name: Hydrochloric acid

CAS number: 7647-01-0

New Jersey Right To Know Components

Chemical name: Hydrochloric acid

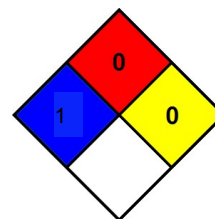
CAS number: 7647-01-0

Pennsylvania Right To Know Components

Chemical name: Hydrochloric acid

CAS number: 7647-01-0

NFPA health hazard : 1.
NFPA fire hazard : 0.
NFPA reactivity : 0.



HMIS III Rating
Health : 1
Flammability : 0
Physical : 0

Electroless Copper Activator

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Personal protection : B

Article VIII. SECTION 16: Other information

Revision date : N/A

Other information : None.

SDS US prinsta

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