

# PH ADJUSTING SALT

## SAFETY DATA SHEET



### SECTION 1. IDENTIFICATION

**Product Name:** PH ADJUSTING SALT

**Product Code:** PHAS08

**Recommended use:** Electroplating bath component; for industrial use only.

**Distributed by:**

Gold Plating Services  
378 N Main St #112  
Layton, UT 84041 USA

**Current SDS preparation date:** December 18, 2023

**Original SDS preparation date:** October 22, 2013

**Telephone no:** 801-546-6200

**Emergency no:** PERS (801) 629-0667 or (800) 633-8253

### SECTION 2. HAZARD IDENTIFICATION

**Classification:**

Eye Damage/Irritation, Category 2A  
Combustible Dust

**Label elements and precautionary statements:**

**Signal word:** Warning

**Pictogram(s):**



**Hazards not otherwise classified:** None

**Hazard statement(s):**

H319 Causes serious eye irritation  
May form combustible dust concentrations in air

**Precautionary statement(s):**

P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves, clothing and eye and face protection.  
P305\_351\_338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337\_313 If eye irritation persists: Get medical advice/attention.

### SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical name	CAS Number	EINECS Number	Concentration
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*The chemical identity and composition of this product are withheld as a trade secret under the provisions of paragraph (i) of 29 CFR 1910.1200. This information will be made available to health professionals and others in accordance with the applicable provisions of this paragraph.*

### SECTION 4. FIRST AID MEASURES

**Inhalation:**

Remove patient to fresh air. Support breathing if required. Obtain medical treatment for dizziness, unconsciousness or irritation or difficulty in breathing.

**Skin contact:**

Remove contaminated clothing and wash affected area thoroughly with soap and water. Launder clothing before rewearing. Seek medical attention for prolonged skin irritation.

**Eye contact:**

Flush with water, including under lids, for fifteen minutes. Obtain immediate medical attention.

**Ingestion:**

If patient is conscious, rinse mouth and drink at least two large glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

### SECTION 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use media appropriate for surrounding fire such as foam, extinguishing powder, carbon dioxide or water spray. In case of fire, cool endangered containers with water spray.

**Unsuitable extinguishing media:** High pressure water jet.

**Specific hazards in case of fire:** Fine dust from this product may form a combustible mixture in air.

**Special protective equipment and precaution for fire fighters:** For fires in enclosed areas, wear self-contained breathing apparatus and full protective gear. Do not inhale combustion gases.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures:**

Wear appropriate skin, eye and respiratory protection. Do not eat, drink or smoke while cleaning up. Ensure adequate ventilation.

### **Methods and materials for containment and cleaning up:**

Wear appropriate personal protective gear including eye, skin and respiratory protection. Contain spilled material by sweeping, vacuuming or other suitable method without raising dust. Flush spill area with water. Do not allow this material or its rinsings to enter storm or sanitary sewers or other waterways. (See also Section 13).

### **Environmental precautions:**

Prevent spills and rinsings from entering storm or sanitary sewers or other waterways and contact with soil.

## SECTION 7. HANDLING AND STORAGE

### **Precautions for safe handling:**

Avoid contact with eyes. Avoid prolonged repeated skin contact and breathing dust. Use in well-ventilated area. Do not empty waste into sanitary drains.

### **Conditions for safe storage, including incompatibilities:**

Store in a cool, dry area. Use with adequate ventilation. Keep container tightly closed when not in use. Store only in the original container. Keep away from metals (aqueous solutions are corrosive to metals), strong alkaline materials, oxidizing agents and amines.

## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### **Exposure Limits:**

<u>Ingredient</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other Limits</u>
Inhalable particles/dust	10 mg/m <sup>3</sup> (TWA)	15 mg/m <sup>3</sup>	None found
Respirable particles	3 mg/m <sup>3</sup> (TWA)	5 mg/m <sup>3</sup>	None found

### **Appropriate engineering controls:**

Use in well-ventilated area with local exhaust.

**Respiratory protection:** Wear appropriate, approved respirator when ventilation is inadequate to meet exposure limits.

### **Eye protection:**

Safety glasses with side shields must be worn. Tight-fitting goggles should be worn when airborne dust is excessive.

### **Skin protection:**

Wear rubber or neoprene gloves. Wear rubber apron and long sleeves to prevent skin contact. Wash hands thoroughly with soap and water after handling and before eating or smoking.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid, powder or granules  
**Color:** Colorless/white  
**Odor:** None  
**Odor threshold:** Not available  
**pH:** 1.8 (5 % aqueous solution)  
**Melting/freezing point:** 153 °C (307 °F)  
**Initial boiling point:** Decomposes  
**Flash point:** Not applicable  
**Evaporation rate:** Not available  
**Flammability (solid, gas):** Not applicable  
**Upper/lower explosion limits:** Non-explosive  
**Vapor pressure:** Not determined  
**Vapor density:** Not determined  
**Relative density (H<sub>2</sub>O = 1) @25 °C:** Not applicable  
**Solubility:** 590 g/l in water at 20 °C  
**Partition coefficient octanol/water:**  $K_{ow} = -0.2$  to  $-1.8$   
**Auto-ignition temperature:** Not applicable  
**Decomposition temperature:** Not available  
**Viscosity:** Not applicable

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** Possible explosive reaction with metal nitrates. Aqueous solutions are corrosive to copper, zinc, aluminum and their alloys.  
**Chemical stability:** Stable under recommended conditions of storage and use.  
**Possibility of hazardous reactions:** None are known.  
**Conditions to avoid:** Heat, flames and other ignition sources including static electricity. Avoid dust formation.  
**Incompatible materials:** Strong alkaline materials, amines, oxidizing agents and metals.  
**Hazardous decomposition products:** Thermal decomposition releases irritating fumes, carbon monoxide and carbon dioxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Routes of Exposure and Symptoms

**Inhalation:** Dust may cause irritation of the respiratory tract. Dissolved material has a low pH and may also be irritating.

**Ingestion:** Swallowing large quantities may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Skin Contact:** Not considered a skin hazard. Dust may cause mild, mechanical irritation.

**Eye Contact:** Causes serious eye irritation due to mechanical irritation and low pH of dissolved material.

### Acute and Chronic Effects from Short- and Long-term Exposure:

See Routes of Exposure and Symptoms above.

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**Acute Oral Toxicity:** LD50: 3000 mg/kg (rat)  
**Acute Dermal Toxicity:** No applicable information available.  
**Acute Inhalation Toxicity:** No applicable information available.  
**Acute Eye Irritation:** 0.75 mg/24 hours, severe (rabbit)  
**Dermal Irritation:** 500 mg/24 hours, moderate (rabbit)

**Carcinogen Listings:**

**IARC:** No

**NTP:** No

**OSHA:** No

**Reproductive Effects:** No applicable information available.

**Target Organ Effects:** No applicable information available.

## SECTION 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity:** LC50: 440 mg/l (Leuciscus idus)  
EC50: 1535 mg/l (Daphnia magna)

**Persistence and degradability:** This material is readily biodegradable and not persistent.

**Bio-accumulative potential:** This material is not known to bioaccumulate.

**Mobility in soil:** This material is readily soluble in water. Accidental spillage may lead to penetration in the soil and groundwater. Improper handling and disposal of this material is unlikely to cause environmental damage.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:**

Disposal of this material is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

## SECTION 14. TRANSPORT INFORMATION

**Not regulated by DOT (road, rail), IMDG (sea) or IATA/ICAO (air)**

**Marine Pollutant:** No

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## SECTION 15. REGULATORY INFORMATION

**Inventory Status:**

All components are on TSCA (active list), EINECS/ELINCS, AICS, and DSL.

**U.S. Regulations:**

**U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:**

**SARA (311/312) HAZARD CATEGORIES:**

None  Immediate  Delayed  Fire  Reactive  Pressure generating

**SARA 313:** This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number	Concentration
None		

The following product components are cited on the lists below:

Chemical Name	CAS Number	List Citations
None		California Proposition 65 List

**Occupational Exposure Limits for Hazardous Agents in the Workplace GBZ2.1-2019 (China)**

Chemical Name	CAS Number	MAC	PC-TWA	PC-STEL
There are no exposure limits listed for the ingredients of this material.				

## SECTION 16. OTHER INFORMATION

**VOC (Volatile Organic Compounds):** None

**HMIS Ratings:**

**Health:** 1 **Flammability:** 1 **Reactivity:** 0 **Personal Protection:** B

**Prepared by:** Amy Alverson

**SDS Preparation date:** December 18, 2023 **Supersedes previous version:** April 7, 2021

This SDS contains revisions in the following section(s): 12, 15.

The information contained herein is accurate to the best of our knowledge. Gold Plating Services makes no warranty of any kind, express or implied, concerning the safe use of this material in any process or in combination with other substances.

End of Safety Data Sheet