

# PLATING RESOURCES, INC.

*"Surface Finishing Technology"*



## Safety Data Sheet

### Section 1 Identification

**Trade Name:** Buffered Sulfate Adjuster  
**Product Identification:** Buffered Sulfate Adjuster  
**Synonyms:** None  
**Product Use Description:** Plating Additive

**Date Prepared:** 9/29/22  
**CAS No:** 7778-80-5

#### Details of the supplier of the safety data sheet

Plating Resources, Inc.  
2845 W King St., Unit 108  
Cocoa, FL 32926

**Phone:** (321) 632-2435

**Website:** [www.plating.com](http://www.plating.com)

#### Emergency telephone number

Infotrac (800) 535-5053 (US & Canada)  
(352) 323-3500

### Section 2 Hazards Identification

**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**Environmental hazards** Not classified.  
**OSHA defined hazards** Not classified.

#### Label elements

**Hazard symbol** None  
**Signal word** Not available.  
**Hazard statement** Not available.  
**Precautionary statement**  
**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None

### Section 3 Composition

Chemical Name	Common name and synonyms	CAS #	%
Arcanite		7778-80-5	96 - 100

### Section 4 First Aid

#### General:

Move out of dangerous area. Perform first aid measures as indicated. Seek medical attention and show this safety data sheet to attending physician.

**Inhalation:**

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. Call a physician if symptoms develop or persist.

**Skin contact:**

Brush away excess of dry material. Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

**Eye contact:**

Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

**Ingestion:**

Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

**Most important symptoms and effects both acute and delayed:**

Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort.

**Indication of any immediate medical attention and special treatment needed:**

Symptoms may be delayed.

**General information**

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children

## Section 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Use extinguishing media suitable for surrounding fire or source of fire. Use water spray to cool fire exposed containers.

**Unsuitable Extinguishing Media:**

None known.

**Specific hazards developing from the chemical:**

Firefighters should wear a self-contained breathing apparatus.

**Precautions for firefighters:**

Firefighters should wear full protective clothing including self-contained breathing apparatus.

**Firefighting Instructions:**

No information available.

**Protection During Firefighting:**

Wear full protective gear and full face pressure demand self-contained breathing apparatus.

**Other information:**

No additional information available.

## Section 6 Accidental Release Measures

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

Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist, vapor or dust. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Contain spilled material and prevent run-off onto ground or into water sources or sewers.

**Methods and material for containment and cleaning up:**

Absorb on inert material and place in containers for disposal. Dispose of spilled/collected material in accordance with all federal, state and local regulations.

## Section 7 Handling and Storage

**Precautions for safe handling:**

Avoid contact with skin and eyes. Avoid inhalation of mist, vapor and dust. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

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

Store in original container. Keep container tightly closed. Store at room temperature (50-90 F) in a dry well-ventilated area.

## Section 8 Exposure Controls/Personal Protection

### Appropriate Engineering Controls:

Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or exposure limits. An eyewash and safety shower should be available in the work area.

### Individual protection measures:

#### Eye/face protection:

Safety glasses or chemical goggles should be worn when handling this material.

#### Skin protection:

##### Hand Protection:

Wear chemical resistant gloves when handling.

##### Other:

Wear chemical resistant apron when handling.

#### Respiratory Protection:

Wear respiratory protection if mist or vapor is produced, while using this material.

### General hygiene considerations:

Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

### Additional information:

No additional information available.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Solid
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	Not available.
<b>pH</b>	7 (10% solution) 7 Aqueous solution is neutral.
<b>Melting/freezing point</b>	1952.6 °F (1067 °C).
<b>Initial boiling point</b>	3072.2 °F (1689 °C).
<b>Flash point</b>	None.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Lower flammability limit</b>	Not available.
<b>Upper flammability limit</b>	Not available.
<b>Lower explosive limit</b>	Not available.
<b>Upper explosive limit</b>	Not available.
<b>Vapor pressure</b>	< 0 kPa at 25 °C
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility in water</b>	Appreciable
<b>PC: n-octanol/water</b>	Not available.
<b>Auto-Ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Density</b>	2.66 g/cm <sup>3</sup> estimated.

## Section 10 Stability and Reactivity

<b>Reactivity:</b>	Not reactive under normal use conditions.
<b>Chemical stability:</b>	Material is stable under normal handling and storage conditions.
<b>Hazardous reactions:</b>	Hazardous polymerization will not occur under normal handling and storage.
<b>Conditions to avoid:</b>	Avoid excessive heating, freezing and chemical contamination.
<b>Decomposition products:</b>	No decomposition products are expected under normal storage and handling conditions.
<b>Incompatible materials:</b>	Avoid contact with reducing agents, metals, organic materials and excessive heat.

## Section 11 Toxicological Information

### Information on the likely routes of exposure:

#### Inhalation:

Inhalation of dusts may cause respiratory irritation.

#### Skin Contact:

This material may be irritating to the skin.

#### Eye Contact:

May be irritating to eyes. Dust in the eyes will cause irritation.

#### Ingestion:

May cause stomach distress, nausea or vomiting.

### Symptoms related to the physical, chemical and toxicological characteristics:

Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort.

### Delayed and chronic effects:

No information available.

### Numerical measures of toxicity:

Components	Exposure	Species	Dose	Notes
<b>Arcanite</b>				
<b>Acute:</b>				
LD50	Dermal	Not Available		
LC50	Inhalation	Not Available		
LD50	Oral	Rat	6600 mg/kg	

### Toxicological effects:

#### Acute Toxicity:

No information available.

#### Skin Corrosion/Irritation:

No information available.

#### Serious Eye Damage/Irritation:

No information available.

#### Respiratory sensitization:

No information available.

#### Skin sensitization:

No information available.

#### Germ cell mutagenicity:

Non-hazardous by WHMIS/OSHA criteria.

#### Carcinogenicity:

Not classified or listed by IARC, NTP, OSHA and ACGIH

#### Reproductive toxicity:

Non-hazardous by WHMIS/OSHA criteria.

#### STOT-single exposure:

No information available.

#### STOT-repeated exposure:

No information available.

#### Aspiration hazard:

This product is not an aspiration hazard.

#### Additional information:

None.

## Section 12 Ecological Information

### Ecotoxicity:

See below.

### Numerical measures of ecotoxicity:

Components	Type	Species	Dose	Notes
<b>Arcanite</b>				
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	510 - 880 mg/l, 96 hours	
Algae	IC50		2900 mg/L, 72 Hours	
Crustacea	EC50	Daphnia	890 mg/L, 48 Hours	

### Persistence and degradability:

No information available.

### Bioaccumulative potential:

No information available.

### Mobility in soil:

No information available.

### Other adverse effects:

No information available.

### Additional information:

No information available.

## Section 13 Disposal Considerations

### Disposal instructions:

Dispose of material in accordance with all federal, state and local regulations.

### Contaminated packaging:

Triple rinse container and offer for recycling. Dispose of container following all federal, state and local regulations.

### Additional Information:

No additional information available.

## Section 14 Transport Information

**DOT:** Not regulated as dangerous goods.

## Section 15 Regulatory Information

<b>Canadian federal regulations</b>	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
<b>WHMIS status</b>	Not Controlled
<b>US federal regulations</b>	This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed.
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated.
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	Not regulated.
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	
Hazard categories	Immediate Hazard - No
	Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard – No

SARA 302 Extremely hazardous substance - No

SARA 311/312 Hazardous chemical - No

SARA 313 (TRI reporting) - Not regulated.

**Other federal regulations**

Safe Drinking Water Act (SDWA) - Not regulated

Food and Drug Administration (FDA) - Direct food additive

**US state regulations CA Proposition 65: (Health & Safety Code Section 25249.5**

Warning: This product contains substances known to the State of California to cause cancer and/or birth defects or other reproductive harm.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Not regulated.

**US. Rhode Island RTK**

Not regulated.

**Section 16 Other Information**

**HMIS hazard ID:**

<b>HEALTH</b>	1
<b>FLAMMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION</b>	X

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*-Chronic health effect

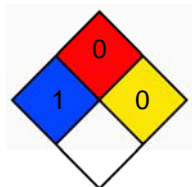
**NFPA hazard ID:**

Flammability:

Health:

Reactivity:

Special hazard:



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

**Disclaimer:**

This Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.