

CMI Product #6123

**Safety Data Sheet**  
**29 CFR 1910.1200**

**Section 1: Company and Product Identification****Product Name:** Bis(ethanolammonium)hexahydroxyplatinate(IV)solution(Platinum EA solution)**Product Code:** 6123

**Company:** Colonial Metals, Inc.  
Building 20  
505 Blue Ball Road  
Elkton, MD 21921 United States  
Company Contact: EHS Director  
Telephone Number: 410-398-7200  
FAX Number: 410-398-2918  
E-Mail : info@colonialmetals.com  
Web Site: www.colonialmetals.com



www.colonialmetals.com

**Emergency Response:** Supplier Emergency Contacts & Phone Number

Chemtec: 800-424-9300

World Wide - Call COLLECT to U.S: 703-527-3887

**Section 2: Hazards Identification**

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**Hazard Pictograms:****Signal Word:**

Warning

**Hazard Category:**

Acute tox, oral Cat 5  
Acute tox, inh. Cat 5  
Sensitization, skin Cat 1  
Skin corrosion/irritation Cat 2  
Serious eye damage/eye irritation Cat 1  
Specific target organ tox, single exp. Cat 3 (resp irrit)

**Hazard Statements:**

H303: May be harmful if swallowed  
H333: May be harmful if inhaled  
H317: May cause an allergic skin reaction  
H315: Causes skin irritation  
H318: Causes serious eye damage  
H335: May cause respiratory irritation

**Precautionary Statements:**

P261: Avoid breathing dust/fume/gas/mist/vapors/spray  
P264: Wash thoroughly after handling  
P270: Do not eat, drink or smoke when using this product  
P271: Use only outdoors or in a well-ventilated area  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or  
P302+352: IF ON SKIN: Wash with soap and water  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P312: Call a POISON CENTER or doctor/physician if you feel unwell  
P330: Rinse mouth  
P332+313: If skin irritation occurs: Get medical advice/attention  
P337+313: If eye irritation persists get medical advice/attention  
P361: Remove/Take off immediately all contaminated clothing  
P403+233: Store in a well ventilated place. Keep container tightly closed  
P405: Store locked up  
P501: Dispose of contents/container in accordance with local/regional/national/international rules.

**Hazards not** Conditions Aggravated By Exposure**otherwise** Causes eye & skin irritation and may cause permanent eye damage**classified:** Conditions Aggravated By Overexposure:

To the best of our knowledge, the chemical, physical, and toxicological properties of this compound have not been thoroughly investigated.

**Section 3: Composition / Information on Ingredients**

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Bis(ethanolammonium) hexahydroxyplatinate(IV)	Irritant		1 - 10
Water		7732-18-5	90 - 99.9
<b>Chemical Name:</b> Bis(ethanolammonium) hexahydroxyplatinate(IV) solution (Platinum EA solution) <b>Chemical Family:</b> Platinum Group Metal Solutions <b>Chemical Formula:</b> [H0CH2,CH2,NH3]2[Pt(OH)6] <b>Synonyms:</b> Platinum EA Solution			

**Section 4: First Aid Measures**

**General Info:** When consulting a physician, Show this safety data sheet to the doctor in attendance.

**If ingested:** Seek immediate medical attention. Clear the airway and administer artificial respiration if not breathing. If swallowed, do not induce vomiting unless directed to do so by medical personnel.

**If inhaled:** Remove the victim from the contaminated area while protecting yourself from exposure by wearing an appropriate respirator. Put a similar respirator on the victim if possible. Get medical attention immediately.

**Eye contact:** Remove the victim from the source of contamination or exposure to nearest eyewash or other source of clean water. In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

**Skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

**Section 5: Fire Fighting Measures**

**General Info:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Emits toxic fumes under fire conditions

**Extinguishing Method /** Water spray, carbon dioxide, dry chemical powder or appropriate foam

**Hazardous Decomposition Info:** Constituents associated with burning / combustion are to be considered toxic. Firefighters should wear self-contained breathing apparatus and full protective gear. Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing

**Section 6: Accidental Release Measures**

**Personal precautions, protective equipment:** Prevent release to the environment. Use appropriate containers to avoid environmental contamination. Use appropriate personal protective equipment (PPE). Sweep up and remove immediately.

**Containment Equipment and Procedures:** Contain actively spilling material if safe and easy to do so, avoid generating dust. Sweep up and place in a sealed container. Wash spill area after pick up is completed. Collect material and dispose

**Cleanup Procedures:** Collect all contaminated media, or other cleanup materials into a waste receptacle. If cleaning surface is necessary, utilize vacuum cleaner, provided adequate ventilation is available.

**Section 7: Handling and Storage**

**Safe Handling Precautions:** Do not handle until all safety precautions have been read and understood. Keep containers tightly closed. Ensure adequate ventilation. Avoid breathing dust/vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment and wash thoroughly after handling.

**Recommendations for Storage:** Store in cool, dry area in a tightly closed product container in a dry cool place.

**Incompatibilities:** Do not mix with Organic Reducing Agents

**Section 8: Exposure Control / Personal Protection**

**General / Engineering Controls:** Ventilation: Local Exhaust: Required in handling area  
 Mechanical: Desirable to insure concentration of material below TLV/TWA levels  
 Other: Closed ventilation system with corrosive resistant materials

**Work Clothing:** Protective work clothing which covers skin and prevents exposures.

**Eye/face Protection:** Wear safety glasses with side shields or goggles or face shield.

**Skin Protection:** Wear chemical resistant gloves.

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use full-face particle respirator type N(( (US) or type 92 (EN 143) respirator cartridges as a back up to engineering controls. If the respirators the sole means of protection, use a full face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Section 9: Physical and Chemical Properties**

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<b>State:</b> Liquid	<b>Melting Point:</b> N/A	<b>Freezing Point:</b> N/A
<b>Color:</b> Pale Yellow to Orange	<b>Boiling Point/Range:</b> N/A	<b>pH:</b> N/A
<b>Molecular Wt.:</b> 421.32 g/mol	<b>Odor:</b> none	<b>Water Solubility:</b> soluble
<b>Evaporation rate:</b> N/A	<b>Flash Point:</b> N/A	<b>Part. Coeff (n-octanol/water):</b> N/A
<b>Upper Flam Limits:</b> N/A	<b>Lower Flam Limits:</b> N/A	<b>Vapor Pressure:</b> N/A
<b>VOC Content (lbs/gal):</b> N/A	<b>Specific Gravity:</b> N/A	<b>Autoignition Temp:</b> N/A

**Section 10: Stability and Reactivity**

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**General:** This product is stable and non-reactive under normal conditions of use. Product is not subject to hazardous polymerization. Avoid elevated temperatures, open flame and ignition sources.

**Incompatible materials:** Do not mix with Organic Reducing Agents

**Decomposition products:** Nature of decomposition products is not known.

**Section 11: Toxicological Information**

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**General Information:** To the best of our knowledge the chemical, physical and toxicological effects of this compound have not been thoroughly investigated.

**Toxicological Information (product):** No Data Available

**Section 12: Ecological Information**

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**General information:** Product not tested.

**Aquatic toxicity:** No specific data available. Do not allow large quantities of product to reach water, ground water, water courses or sewer systems.

**Degradation / Mobility info:** No specific data available.

**Section 13: Disposal Information**

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**Product disposal:** Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor.

**Container disposal:** Treat empty containers with extra care. Consult waste contractor.

**Other considerations:** NOTE: Chemical additions, processing, or otherwise altering this material may make the waste management information presented above incomplete, inaccurate, or otherwise inappropriate.

**Section 14: Transport Information**

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**DOT: Proper Shipping Name:**

Bis(ethanolammonium) hexahydroxyplatinate(IV) solution (Platinum EA solution)  
Not Dangerous Goods

**DOT Shipping Label:**

Not Dangerous Goods - Bis(ethanolammonium) hexahydroxyplatinate(IV) solution

**IATA:** Same as DOT 49 CFR. Consult IATA regulation before shipping

**Section 15: Regulatory Information**

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**TSCA:** All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**SARA SARA Section 313 Notification:**

**Components:** This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

**Canadian Regulatory Information:** All ingredients of this product comply with the New Substances Notification requirements of the Canadian Environmental Protection Act (CEPA).

**European Union (EU) Regulatory Information:** R36/37/38 - Irritating to eyes, respiratory system and skin

**Section 16: Other Information**

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**NFPA Rating**

Health: 1

Fire: 0

Reactivity: 2

**HMIS Rating**

Health: 1

Fire: 0

Reactivity: 2

Personal

Protection: J

**Precautionary Label**

Non-Hazardous

**Disclaimer:** In compliance with the OSHA Hazard communication Standard, 2.9 C.F.R 1910.1200, we are providing you with a Materials Safety Data Sheet (MSDS) for the hazardous material you are purchasing.

*It is your responsibility to educate your employees on the safe use of the hazardous material. With this in mind, a copy should be forwarded to the supervisor of the user or to the user themselves, and copy should be retained in your files for future reference.*

*Colonial Metals, Inc. makes no presentation as to the accuracy of the information in the MSDS. The information is believe to be correct; however, you (the customer), should preform your own investigation and independent verification. If you resell the product, you are responsible to forward the information in the MSDS to your customer.*

*Colonial Metals, Inc.*

**SDS Author:** John Kerchner

**Version Date:** 7/27/2015