



# SMOOTH N SLEEK SDN BHD

(Co. Reg. No: 321141-K)

UNIT 1-05-12, KRYSTAL POINT CORPORATE PARK, KRYSTAL POINT II,  
LEBUH BUKIT KECIL 6, 11900 BAYAN LEPAS, PENANG, MALAYSIA

TEL. NO: 6(04)-644 8029, 644 9029 FAX NO: 6(04)-644 0107

E-MAIL : [sales@snspcb.com](mailto:sales@snspcb.com) WEBSITE : [www.snspcb.com](http://www.snspcb.com)


## SDS – 18K Gold Plating Pen 120-AU18-004

### 1. Product and Company Identification

<b>Product Name</b>	18K Gold Plating Pen
<b>Other Product Name(s)</b>	120-AU18-004
<b>Product Use</b>	Gold Electroplating
<b>Importer/Distributor</b>	<b>SMOOTH N SLEEK SDN BHD</b> (Co. Reg. No: 321141-K) UNIT 1-05-12, KRYSTAL POINT CORPORATE PARK, KRYSTAL POINT II, LEBUH BUKIT KECIL 6, 11900 BAYAN LEPAS, PENANG, MALAYSIA TEL. NO: 6(04)-644 8029, 644 9029 FAX NO: 6(04)-644 0107 E-MAIL ADDRESS : <a href="mailto:sales@snspcb.com">sales@snspcb.com</a> WEBSITE : <a href="http://www.snspcb.com">www.snspcb.com</a>
<b>Emergency Telephone Number</b>	+6(012)-470 8828

### 2. Hazards Identification

**Emergency Overview:** Dark green pen-like dispenser of compound containing gold used for electroplating. Compound is an eye irritant and harmful if swallowed.

<b>OSHA Regulatory Status</b>	Hazardous
<b>OSHA Classification</b>	Acute toxicity (oral) Cat 4 Eye damage/irritation: Cat 2a Specific Target Organ Toxicity – Single Exposure. Cat 3
<b>OSHA Signal Word</b>	WARNING
<b>OSHA Hazard Statements</b>	Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation (during use).
<b>OSHA Precautionary Statements</b>	Wear glasses or goggles and protective gloves (while handling). Do not breath fumes or vap;ors (during use). Do not swallow. Wash thouroughly after handling. 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. If swallowed: Call a poison control center or doctor if you feel unwell. Rinse mouth if consciuous. For Respiratory Irritation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>OSHA Label Symbols</b>	
<b>Other Hazards Not Specified by OSHA</b>	None

23% of product consists of ingredients with unknown oral toxicity.

#### Potential Health Effects:

<b>Skin</b>	May irritate some individuals.
<b>Eyes</b>	Causes irritation
<b>Ingestions</b>	Harmful if swallowed.
<b>Inhalation</b>	Vapors may cause irritation (created during use).
<b>Chronic Effects</b>	None anticipated



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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. %*
Gold potassium cyanide (Acute toxicity: oral 1 & dermal 2; Aquatic acute 1, chronic 1)	13967-50-5	237-748-4	1 – 2
Silver potassium cyanide (Acute toxicity: oral 1 & dermal 2; Aquatic acute 1, chronic 1)	506-61-6	208-047-0	0.1 – 1
Ammonium citrate dibasic (Eye irritant 2, STOT-SE 3)	3012-65-5	221-146-3	15 – 20
Water (not hazardous)	7732-18-5	231-791-2	77

### 4. First Aid Measures

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

### 5. Fire Fighting Measures

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

### 6. Accidental Release Measures

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



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### 7. Handling and Storage

<b>Handling:</b>	Wear proper personal protective equipment indicated in Section 8. Wash hands before eating or drinking.
<b>Storage:</b>	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

<b>Engineering Controls:</b>	Appropriate ventilation for removal of all electroplating vapors should be used.
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#### Personal Protective Equipment:

<b>Eyes and Face:</b>	Wear safety glasses or chemical goggles to avoid accidental eye contact.
<b>Respiratory:</b>	Point ventilation to remove all electroplating vapors and fumes should be used.
<b>Hands, Arms, and Body:</b>	Use work gloves and aprons suitable for electroplating operations.
<b>Other</b>	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
Cyanides (as CN)	---	---	5 mg/m <sup>3</sup> skin	---
Silver Potassium Cyanide (as silver)	0.1 mg/m <sup>3</sup>	---	0.1 mg/m <sup>3</sup>	---

### 9. Physical and Chemical Properties

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



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### 10. Stability and Reactivity

<b>Stability:</b>	Stable product
<b>Conditions to Avoid:</b>	None anticipated
<b>Materials to avoid</b>	None anticipated.
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products</b>	Gold and silver fume, toxic cyanide vapors, NOx.

### 11. Toxicological Information

<b>Eye:</b>	Causes eye irritation.
<b>Skin:</b>	May cause irritation to sensitive individual. LD <sub>50</sub> estimated at > 5000 mg/kg.
<b>Oral:</b>	Estimated LD <sub>50 is</sub> - 748 mg/kg (oral, rat) May be harmful due to small cyanide content.
<b>Inhalation:</b>	Processing vapors may cause irritation.
<b>Chronic:</b>	No effects anticipated.

### 12. Ecological Information

<b>Acute ecotoxicity:</b>	Not determined
<b>Chronic ecotoxicity</b>	Not determined
<b>Other information</b>	None

### 13. Disposal Considerations

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

### 14. Transportation Considerations

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

### 15. Regulatory Information

#### UNITED STATES:

#### Toxic Substances Control Act (TSCA)

<b>TSCA Inventory Status:</b>	Listed on TSCA Chemical Inventory
<b>Other TSCA Issues:</b>	None

#### SARA Title III/CERCLA

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

<b>Ingredient</b>	<b>SARA/CERCLA RQ (lb.)</b>	<b>SARA EHS TPQ (lb.)</b>
Ammonium citrate dibasic	5000	---
Silver potassium cyanide	500	---



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## **SDS – 18K Gold Plating Pen 120-AU18-004**

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.

<b>SARA 311 Hazard Class:</b>	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.

<b>Ingredient</b>	<b>Comment</b>
Gold potassium cyanide	Must be reported annually (EPCRA regulations)
Silver potassium cyanide	Must be reported annually (EPCRA regulations)

### **State Right-To-Know**

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

<b>Ingredient</b>	<b>Weight %</b>	<b>Comment</b>
No ingredients listed	----	----

<b>Additional Regulatory Information:</b>	None
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## **16. Other Information**

- Keep out of the reach of children.

<b>Issue Date:</b>	March 21, 2016
<b>Previous Issue Date:</b>	January 10, 2011
<b>Changes from previous version:</b>	Updating of entire SDS to current OSHA requirements.

### **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