

INKCUPS

Safety Data Sheets

1. PRODUCT IDENTIFICATION

TRADE NAME:	SI 76 Gold
OTHER MEANS OF IDENTIFICATION:	
RECOMMENDED USE OF PRODUCT:	Pad or Screen printing
SUPPLIER'S DETAILS:	Inkcups Corp. 310 Andover St. Danvers, MA 01923 978-646-8980
EMERGENCY CONTACT:	CHEMTREC (24 Hours):1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

<i>PHYSICAL HAZARDS</i>	Not Classified
<i>HEALTH HAZARDS</i>	Not Classified
<i>ENVIRONMENTAL HAZARDS</i>	Not Classified

GHS LABEL ELEMENTS

<i>PICTOGRAMS</i>	None
<i>SIGNAL WORDS</i>	None
<i>HAZARD STATEMENTS</i>	None
<i>PRECAUTIONARY STATEMENTS</i>	
<i>[PREVENTION]</i>	Not Applicable
<i>[RESPONSE]</i>	Not Applicable
<i>[STORAGE]</i>	Not Applicable
<i>[DISPOSAL]</i>	Not Applicable

3. COMPOSITION AND INFORMATION ON INGREDIENTS

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Substance or Mixture Mixture

<i>Hazardous Ingredients</i>	<i>CAS#</i>	<i>Percentage(%)</i>
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*Copper Powder	7440-50-8	5-7
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*Zinc Powder	7440-66-6	2-5
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* Zinc Powder, when in the form of a dust cloud, is explosive. However, when saturated in a carrier fluid like it is in GT-5539, a dust cloud cannot be created under normal use and conditions. Therefore, none of the hazards associated with this form are listed as hazards of this product.

4. FIRST AID MEASURES

<i>INGESTION:</i>	Seek medical attention; Do NOT induce vomiting.
<i>SKIN CONTACT:</i>	Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water.
<i>INHALATION:</i>	No first aid should be needed. Remove to fresh air.
<i>EYE CONTACT:</i>	Immediately flush with COOL water for 15 minutes; Call a physician if irritation persists.
<i>PROTECTION FOR FIRST-AIDERS:</i>	A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles

5. FIRE-FIGHTING MEASURES

<i>SUITABLE EXTINGUISHING MEDIA:</i>	Foam, Carbon Dioxide, Dry Chemical
<i>SPECIFIC FIRE HAZARDS:</i>	Contact with water will liberate extremely flammable gas (hydrogen). Fire will form hazardous combustion gases of Carbon dioxide(CO ₂) and Carbon Monoxide(CO) Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard
<i>FIREFIGHTER EQUIPMENT:</i>	Wear respirator and all protective coverings.

6. ACCIDENTAL RELEASE MEASURES

<i>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY:</i>	Safety glasses and gloves are suggested to prevent eye and skin contact. Provide sufficient ventilation.
<i>ENVIRONMENTAL PRECAUTIONS:</i>	Prevent product from entering drains.

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CLEAN UP: Absorb spilled material with suitable absorbent (e.g. rag, dry sand, clay absorbent) and disposed of, in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

HANDLING: Wear protective equipment; Avoid contact with skin and eyes.
STORAGE: Keep container tightly closed. Store in a cool, dry place. Keep away from oxidizing material.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:

<i>Hazardous Ingredient</i>	<i>CAS#</i>	<i>Limit/Set by</i>
Copper Powder	7440-50-8	1mg/m ³ TWA PEL/OSHA
Zinc Powder	7440-66-6	5mg/m ³ TWA PEL/OSHA

**Total dust*

ENGINEERING CONTROLS: None Available

PERSONAL PROTECTIVE EQUIPMENT:

<i>RESPIRATORY PROTECTION:</i>	No required under normal use
<i>HAND PROTECTION</i>	Protective gloves
<i>EYE PROTECTION</i>	Wear safety glasses or goggles. Face shield if situation requires
<i>SKIN AND BODY PROTECTION</i>	Protective clothing if situation requires

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Paste
ODOR:	No Odor
ODOR THRESHOLD:	Not Available
pH:	Not Available
MELTING POINT:	Not Available
BOILING POINT RANGE:	Not Applicable, will decompose before it will boil
FLASH POINT:	>205°F (Setaflash)
EVAPORATION RATE:	Not Available
FLAMMABILITY (solid/gas):	Not Available
EXPLOSION LIMITS:	
<i>UPPER</i>	Not Available
<i>LOWER</i>	Not Available
VAPOR PRESSURE:	<1mmHg @ 20°C
VAPOR DENSITY:	All vapors are denser than air
RELATIVE DENSITY:	1.1 g/mL
SOLUBILITY:	Not soluble in water
PARTITION COEFFICIENT: N-OCTANOL/WATER:	Not Available
AUTO-IGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	>150°C

VISCOSITY: Not Available

10. STABILITY AND REACTIVITY

REACTIVITY: No further relevant information available
CHEMICAL STABILITY: Stable
HAZARDOUS REACTIONS: Reacts with water releasing hydrogen gas (flammable).
CONDITIONS TO AVOID: Avoid contact with water, strong acids, bases, and oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous combustion gases of Carbon dioxide(CO₂), Carbon Monoxide(CO), SiO₂.
Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard
INCOMPATIBILITY: Water, strong acids, strong bases, and oxidizers

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: *Oral LD₅₀ (rat)=3411mg/kg

**calculated from known oral acute toxicities of components.*
SKIN CORROSION/IRRITATION: No irritant effect
EYE DAMAGE/IRRITATION: No irritant effect
RESPIRATORY OR SKIN SENSITATION: Not Available
GERM CELL MUTAGENICITY: Not Available
CARCINOGENICITY: No ingredients are listed as carcinogenic by the IARC, NTP, or OSHA
REPRODUCTIVE TOXICITY: Not Available
STOST- SINGLE EXPOSURE: Not Available
STOST- REPEATED EXPOSURE: Not Available
ASPIRATION HAZARD: Not Available

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Do not allow to enter soil, waterways or waste water canal. It is not allowed to be released into biological sewage treatment plants. Ecological data is not available.
PERSISTENCE/DEGRADABILITY: May cause decomposition in dry soils (Estimated by similar product).
BIOACCUMULATIVE POTENTIAL: Not Available
MOBILITY IN SOIL: Not Available

13. DISPOSAL CONSIDERATIONS

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Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

UN/NA Number:	Not Regulated
DOT SHIPPING NAME:	Not Regulated
DOT HAZARD CLASS:	Not Regulated
IMDG – P.S.N.:	Not Regulated
IMDG – CLASS:	Not Regulated
IMDG – PACKING GROUP:	Not Regulated
IMDG – Marine Pollutant:	Not Regulated
IATA - P.S.N.:	Not Regulated
IATA - CLASS:	Not Regulated
IATA – PACKING GROUP:	Not Regulated

This product and its ingredients are NOT considered dangerous goods according to the **UN Model Regulations, ADR, RID, and the ADN.**

15. REGULATORY INFORMATION

US REGULATIONS

US SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Section 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, and are listed as follows:

<i>Hazardous Ingredient</i>	<i>SARA 302 (40 CFR 355, Appendix A)</i>	<i>SARA 304 (40 CFR Table 302.4)</i>	<i>SARA 313 (40 CFR 372.65)</i>
Copper Powder	No	No	Yes
Zinc Powder	No	No	Yes

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs(4,540 kg) therefore applies, per 40 CFR 370.20

U.S. CERCLA REPORTABLE QUANTITY (RQ): Copper - 5000lbs); Zinc (fume or dust) – 1000lbs

SARA 311/312(40 CFR 370) HAZARDS: Acute: No, Chronic: No, Fire: No, Pressure: No

CALIFORNIA, (PROPOSITION 65): Neither this product nor its ingredients are listed

TSCA INVENTORY STATUS: These materials or all of their contents are listed on the Toxic Substances Control Act (TSCA).

16. OTHER INFORMATION

HMIS Rating: Health-0, Fire-0, Reactive-0

Because the product is a mixture, the majority of the data used was transferred from the safety data sheets of the product's hazardous ingredients, whose manufacturer identity we wish to remain anonymous for competitive reasons.

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We believe the above information is correct as of the date of this MSDS. However, as this information and the conditions under which the product are used are beyond the control of Inkcups Corp., it is the user's obligation to determine the conditions for the safe use of the product. No warranty, expressed or implied, is hereby made.

Date Created/Revised: 10/07/18