

# INKCUPS

## 1. PRODUCT IDENTIFICATION

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**TRADE NAME:** SI-160 White  
**OTHER MEANS OF IDENTIFICATION:**  
**RECOMMENDED USE OF PRODUCT:** Silicone Ink  
**SUPPLIER'S DETAILS:** INKCUPS CORP.  
310 ANDOVER ST.  
DANVERS, MA 01923  
978-646-8980

**EMERGENCY CONTACT:** 1.800.424.9300  
Chemtrec

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## 2. HAZARDS IDENTIFICATION

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### **GHS CLASSIFICATION**

**PHYSICAL HAZARDS** Not Classified  
**HEALTH HAZARDS** Aspiration Hazard – Category 1  
**ENVIRONMENTAL HAZARDS** Not Classified

### **GHS LABEL ELEMENTS**

#### **PICTOGRAMS**



**SIGNAL WORDS** Danger  
**HAZARD STATEMENTS** H304: May be fatal if swallowed and enters airways  
**PRECAUTIONARY STATEMENTS**  
**[PREVENTION]** None  
**[RESPONSE]** P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P331: Do NOT induce vomiting  
**[STORAGE]** P405: Store locked up

# INKCUPS

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

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**Substance or Mixture** Mixture

*Hazardous Ingredients* *CAS#* *Percentage (%)*

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Decamethylcyclopentasiloxane 541-02-6 10 - 20

\*Titanium dioxide 13463-67-7 0 - 18

\*This product in the physical state as sold (liquid paste) should not present a dust hazard, which is the hazardous form of titanium dioxide. under normal conditions,

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## 4. FIRST AID MEASURES

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**INGESTION:** Call a physician or poison control center immediately. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**SKIN CONTACT:** Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water. Get medical attention if irritation develops or persists.

**INHALATION:** Remove to fresh air. Call a physician if symptoms develop or persist.

**EYE CONTACT:** Immediately flush with COOL water for 15 minutes; Call a physician if irritation persists.

**PROTECTION FOR FIRST-AIDERS:** A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles

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## 5. FIRE-FIGHTING MEASURES

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**SUITABLE EXTINGUISHING MEDIA:** Foam, carbon dioxide, dry chemical

**SPECIFIC FIRE HAZARDS:** Fire will form hazardous combustion gases of carbon dioxide(CO<sub>2</sub>), carbon monoxide(CO), SiO<sub>2</sub>, and oxides of nitrogen (NO<sub>x</sub>). 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

**FIREFIGHTER EQUIPMENT:** Wear respirator and all protective coverings.

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## 6. ACCIDENTAL RELEASE MEASURES

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**PERSONAL PRECAUTIONS,  
PROTECTIVE EQUIPMENT AND  
EMERGENCY:**

Safety glasses and gloves are suggested to prevent eye and skin contact. Provide sufficient ventilation.

**ENVIRONMENTAL  
PRECAUTIONS:**

Prevent product from entering drains.

**CLEAN UP:**

Scrape up and disposed of in accordance with appropriate laws and regulations.

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## 7. HANDLING AND STORAGE

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**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. Store locked up.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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**EXPOSURE LIMITS:**

*Hazardous Ingredient*

*CAS#*

*Limit/Set by*

Decamethylcyclopentasiloxane

541-02-6

0.1mg/m<sup>3</sup> REL (NIOSH)

Titanium dioxide

13463-67-7

For Respirable Dust (TWA)  
TLV: 10mg/m<sup>3</sup>/(ACGIH),  
PEL: 15mg/m<sup>3</sup>/(OSHA)

**ENGINEERING CONTROLS:**

None Available

**PERSONAL PROTECTIVE  
EQUIPMENT:**

*RESPIRATORY PROTECTION:*

Not required under normal use

*HAND PROTECTION*

Protective gloves

*EYE PROTECTION*

Wear safety glasses or goggles. Face shield if situation requires

*SKIN AND BODY PROTECTION*

Protective clothing if situation requires

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**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:**

*UPPER*

Not Available

*LOWER*

Not Available

**VAPOR PRESSURE:**

<0.02kPa@ 68°F

**VAPOR DENSITY:**

All vapors are denser than air

**RELATIVE DENSITY:**

1.4 g/mL

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# INKCUPS

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<b>SOLUBILITY:</b>	Not soluble in water
<b>PARTITION COEFFICIENT: N-OCTANOL/WATER:</b>	Not Available
<b>AUTO-IGNITION TEMPERATURE:</b>	Not Available
<b>DECOMPOSITION TEMPERATURE:</b>	>150°C
<b>VISCOSITY:</b>	Not Available

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## 10. STABILITY AND REACTIVITY

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<b>REACTIVITY:</b>	Product is designed to react with a catalyst to initiate vulcanization.
<b>CHEMICAL STABILITY:</b>	Stable in the absence of contamination
<b>HAZARDOUS REACTIONS:</b>	None
<b>CONDITIONS TO AVOID:</b>	Avoid contact with strong acids, alkalis, and oxidizing agents.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Hazardous combustion gases of carbon dioxide(CO <sub>2</sub> ), carbon monoxide(CO), SiO <sub>2</sub> , and oxides of nitrogen (NO <sub>x</sub> ). 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
<b>INCOMPATIBILITY:</b>	Acids, Alkalis, Oxidizing Agents

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## 11. TOXICOLOGICAL INFORMATION

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<b>ACUTE TOXICITY:</b>	Oral – LD <sub>50</sub> (Rat): >24134 mg/kg (calculated from known toxicities)
<b>SKIN CORROSION/IRRITATION:</b>	Not Available
<b>EYE DAMAGE/IRRITATION:</b>	Not Available
<b>RESPIRATORY OR SKIN SENSITATION:</b>	Not Available
<b>GERM CELL MUTAGENICITY:</b>	Not Available
<b>CARCINOGENICITY:</b>	Titanium dioxide is listed by the IARC under its 2B classification. It is also listed by the ACGIH under its A4 classification. However, these two hazards are associated with titanium dioxide in its dust form. As mentioned in Section 3, titanium dioxide in its current form should not produce a dust hazard.
<b>REPRODUCTIVE TOXICITY:</b>	Not Available
<b>STOST- SINGLE EXPOSURE:</b>	Not Available
<b>STOST- REPEATED EXPOSURE:</b>	Not Available
<b>ASPIRATION HAZARD:</b>	Decamethylcyclopentasiloxane is listed as an Aspiration Hazard – Category 1. May be fatal if swallowed or enters airways.

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## 12. ECOLOGICAL INFORMATION

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<b>ECOTOXICITY:</b>	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.
<b>PERSISTENCE/DEGRADABILITY:</b>	Not Available
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not Available
<b>MOBILITY IN SOIL:</b>	Not Available

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## 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.

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## 14. TRANSPORT INFORMATION

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

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

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## 15. REGULATORY INFORMATION

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### 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>
Decamethylcyclopentasiloxane	No	No	No
Titanium dioxide	No	No	No

**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):** None

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

**CALIFORNIA, (PROPOSITION 65):** None

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

**CANADIAN DSL/NDSL INVENTORY:** The components of this product are on the DSL or NDSL Inventories.

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES(AICS) STATUS:** The components of this product are listed on the AICS

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**KOREAN INVENTORY:** The components of this product are listed or exempted.

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## 16. OTHER INFORMATION

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**HMIS Rating: Health-2, 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.

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: 10/1/18