

**SPINKS INDIA**

88, Pace City- I, Sector- 37 Gurgaon, Haryana (India), 122001

## 1. PRODUCT IDENTIFICATION

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**PRODUCT:** SR-1 Silicone Ink

## 2. HAZARDS IDENTIFICATION

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**GHS CLASSIFICATION**

Physical Hazards	Not Classified
Health Hazards	Aspiration Hazard – Category 1
Environmental Hazards	Not Classified
Signal Words	Danger
Hazard Statements	: May be fatal if swallowed and enters airways
Precautionary Statements	None
[prevention]	: IF SWALLOWED: Immediately call a POISON CENTER
[response]	or doctor/physician
	Do NOT induce vomiting
[STORAGE]	: Store locked up

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

## 4. FIRST AID MEASURES

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# Farbatone

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

## 5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Foam, carbon dioxide, dry chemical
SPECIFIC FIRE HAZARDS:	Fire will form hazardous combustion gases of carbondioxide(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.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precations, 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.

## 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. Store locked up.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:		
Hazardous Ingredient	CAS#	Limit/Set by
Decamethylcyclpentasiloxane	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
Solubility:	Not soluble in water
Partition Coefficient: N- Octanol/water:	Not Available
Auto - Ignition Temperature:	Not Available
Decomposition Temperature:	>150°C
Viscosity:	Not Available

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## 10. STABILITY AND REACTIVITY

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Reactivity:	Product is designed to react with a catalyst to initiate vulcanization.
Chemical Stability:	Stable in the absence of contamination
Hazardous Reactions:	None
Conditions to Avoid:	Avoid contact with strong acids, alkalis, and oxidizing agents.
Hazardous Decomposition Products:	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
Incompatibility:	Acids, Alkalis, Oxidizing Agents

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## 11. TOXICOLOGICAL INFORMATION

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ACUTE TOXICITY:	Oral – LD <sub>50</sub> (Rat): >24134 mg/kg (calculated from known toxicities)
Skin Corrosion/irritation:	Not Available
Eye Damage/irritation:	Not Available
Respiratory or Skin Sensitation:	Not Available
Germ Cell Mutagenicity:	Not Available
Carcinogenicity:	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.
Reproductive Toxicity:	Not Available
Stost - Single Exposure:	Not Available
Stost - Repeated Exposure:	Not Available
Aspiration Hazard:	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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Ecotoxicity:	Do not allow to enter soil, water ways or waste water canal. It is not allowed to be released into biological sewage treatment plants. Ecological data is not available.
Persistence/degradability:	Not Available
Bioaccumulative Potential:	Not Available
Mobility In Soil:	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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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 AND.

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## 15. REGULATORY INFORMATION

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Apply Regulation:	Secure administration rules of perilous chemistry product 2002.3.15
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