Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade Name: STI Silicone Transfer Ink
Date Prepared: April 2016

SECTION 1: Identification of the substance/mixture and of the company / undertaking

1.1 Product identifier

STI Silicone Transfer Ink
CODES: STI 7960 White
STI 7904 Mixing Base
STI 7950 Opaque Mixing Base
STI 7900 Clear Base
STI 7938 High Density Clear

1.2 **Uses/Application:** Screen printing ink

1.3 Details of the supplier of the safety data sheet

Address

Lancer Group International
311 Saulteaux Crescent
Winnipeg, Manitoba
Canada R3J 3C7
Telephone no: +1 (204) 889-7422
Fax no: +1 (204) 8310426
Information provided by: Product Safety Department
Email address of the person responsible for this SDS: cecilia@lancergroup.com

1.4 24 Hour Emergency Number: +1 (613) 996-6666 CANUTEC

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) 1272/2008(CLP) : Not applicable
Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.2 Label Elements

2.2.1 Labelling according to Regulation (EC) 1272/2008(CLP):
* Hazard Pictogram (s): not applicable
* Signal word: not applicable
*Hazard statement (s): not applicable
*Precautionary Statement(s):

1) Prevention- not applicable
2) Response-not applicable
3) Storage-not applicable
4) Disposal-not applicable

2.3 Other Hazards

Not available

SECTION 3: Composition / Information on ingredients

3.1 Substances

Not Applicable

3.2 Mixtures

Chemical Characterization:

Ingredients	%	CAS#	REACH Reg #	Classification according to directive 1272/2008 EC
Siloxanes and Silicones, di-Me,vinyl group-terminated	70-80	68083-19-2	-	Not classified
Siloxanes and Silicones, di-Me, Me hydrogen	1-10	68037-59-2	-	Not classified
Silicon Dioxide	10-20	112945-52-5	01-2119379499-16-xxxx	Not classified
additives	1-5	mixture	-	Not classified
filler	1-5	mixture	-	Not classified

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

After inhalation

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

After skin contact

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

After eye contact

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist. Do not rub eyes.

After ingestion

Rinse mouth with water thoroughly. Take advice of doctor whether to induce vomiting or not.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed.

Notify medical personnel of contaminated situations and have them take appropriate protective measures.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

In the event of fire use carbon dioxide, dry chemical agents, foam.

Unsuitable extinguishing media

Avoid use of water jet for extinguishing

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Not available.

5.3 Advice for firefighters

- Cool containers with water until fire is out.
- Keep unauthorized personnel out.

Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

-Notify your local fire station and inform the location of fire and characteristics hazard.

-Keep containers cool with water spray.

-Use firefighting procedure suitable for surrounding area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

-protective equipment: wear proper protective equipment
-Emergency procedures: not applicable
-If required, notify relevant authorities according to all applicable regulations.

6.1.12. For emergency responders

-wear proper personal protective apparatus as indicated in Section 8 and avoid skin contact and inhalation
-Must work against the wind; let the upwind people to evacuate
-Do not touch spilled material. Stop leak if you can without risk.
-Move container to safe area from the leak area.

6.2. Environmental precautions

-Prevent run off and contact with waterways
-If large amounts have been spilled, inform the relevant authorities
-Avoid dispersal of spilt material and run off and contact with waterways, drains and sewers. In case of large spills, advise emergency services.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

- Don't use a brush or compressed air for cleaning surfaces or clothing.
-Clean up all spills immediately
-No smoking, naked lights or ignition sources.
- Stop leak if safe to do so.

6.3.2. For cleaning up

-Large spill: stay upwind and keep out of low areas. Dike for later disposal.
-Notification to central government and local government.
-Dispose of waste in accordance with local regulation.
-Appropriate container for disposal of spilled material collected.

6.3.3. Other information

-Slippery when spilt.

6.4. Reference to other sections

- See Section 7 for information on safe handling
- See Section 8 for information personal protection equipment.
- See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Avoid contact with incompatible materials
-Work only in ventilated area
-Do not handle until all safety precautions have been read and understood.

7.2 Conditions for safe storage, including any incompatibilities

- Check regularly for leaks
- Do not apply direct heat
- Keep in the original container.
- Prevent static electricity and keep away from combustible materials or heat sources.

7.3 Specific end use(s)

Screen printing ink

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1. Occupational Exposure limits:

European Union (EU) Commission Directive 2006/15/EC (IOELVs)
-not available

European Union (EU) Commission Directive 2206/ 15/EC (IOELVs) - skin
-not available

Greece Occupational Exposure Limits
-not available

Netherlands Occupational Exposure Limits
-not available

Denmark Indicative List of Organic Solvents
-not available

Latvia Occupational Exposure Limit Values (OELV) for chemical substances in the work environment –not available

Latvia carcinogens and their Occupational Exposure Limit Values (OELV)

-not available

8.1.2. Recommended Monitoring Procedures

-Personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of ventilation or other control measures and /or the necessity to use respiratory protective equipment.

8.1.3. DNEP/PNEC- Values

-not available

8.2 Exposure controls

8.2.1. Appropriate Engineering Controls

-A system of local and/or general exhaust is recommended to keep employee exposures above the exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the containment at its source, preventing dispersion of it into the general work area. The use of local exhaust ventilation is recommended to control the emission near the source.

8.2.2. Individual Protection Measures, such as personal protective equipment.

Hand protection

-wear appropriate glove.

Eye Protection

-Wear primary eye protection such as splash resistant safety goggles with a Secondary protection face shield.

-Provide an emergency eye wash station and quick drench shower in the immediate work area.

Respiratory Protection

-Under conditions of frequent use or heavy exposure, respiratory protection may may be needed.

-Respiratory protection is ranked in order from minimum to maximum.

-consider warning properties before use.

Skin Protection

-wear appropriate clothing

Others

-It is necessary to wear protective clothes and other protection equipment. Cover your face, head and neck.

-Prior to removing protective garments, the employee should undergo decontamination and be required to shower upon removal of the garments and hood.

-Emergency deluge showers and eyewash fountains, supplied with potable water should be located near, within sight of, and on the same level with locations where exposure is likely.

Thermal Hazards

-not available

8.2.3. Environmental Exposure Controls

- Do not let product enter drains.

SECTION 9: Physical and chemical properties:

9.1 Information on basic physical and chemical properties

Appearance (state)	paste
Appearance (color)	
Odor	Mild
Odor Threshold	Not available
pH	Not available
Melting point/ Freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/ Lower Flammability or Exposure Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Relative Density	Not available
Solubility	Not available
Partition coefficient of n-octanol/ water	Not available
Auto ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	
Explosive Properties	Not available
Oxidising Properties	Not available

9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Avoid contact with incompatible materials and condition. Avoid accumulation of electrostatic charges, heating, flames and hot surfaces.

10.5 Incompatible materials

Not available

10.6 Hazardous Decomposition Products

May emit flammable vapour if involved in fire.

SECTION 11: Toxicological information

11.1 Acute toxicity

-Oral

(Siloxanes and Silicones. di-Me, vinyl group terminated): LD50= 1600 mg/kg Rat
(Silicon Dioxide); LD50 > 3100 mg/kg Rat

-Dermal

(Siloxanes and Silicones, di-Me, vinyl group terminated) : LD50 =16000 mg/kg Rabbit

-Inhalation

Not Available

11.2. Skin corrosion/ irritation

-Not available

11.3. Serious eye damage/ irritation

-Not available

11.4. Respiratory Sensitization

-Not available

11.5. Skin sensitization

-Not available

11.6. Germ cell mutagenicity
-Not available
11.7 Carcinogenicity
-IARC
-Not available
-OSHA
-Not available
-ACGIH
-Not available
-NTP
-Not available
-EU CLP
-Not available
11.8. Reproductive Toxicity
-Not available
11.9. Specific target organ toxicity (single exposure):
-Not available
11.10. Specific target organ toxicity (repeated exposure):
-Not available
11.11. Aspiration hazard
-Not available

SECTION 12: Ecological information

12.1 Toxicity
12.1.1. Fish
-Not available
12.1.2. Invertebrate
-Not available
12.1.3. Algae
-Not available
12.2. Persistence and degradability
12.2.1. Persistence
- (Siloxanes and Silicones, di-Me, vinyl group terminated): log Kow= 6.64
- (Siloxanes and Silicones, di-Me, me hydrogen) : log Kow= 4.84 (estimates)

12.2.2. Degradability
-Not available
12.3. Bio accumulative potential
12.3.1 Bio accumulation
- (Siloxanes and Silicones, di-Me, vinyl group-terminated): BCF=11200
- (Siloxanes and Silicones,di-Me, Me Hydrogen) : BCF 723.4 (Estimates)

12.3.2. Biodegradability

-Not available

12.4. Mobility in soil

- (Siloxanes and Silicones, di-Me, vinyl group-terminated): Koc=578700 (can be adsorbed in the soil)
- (Siloxanes and Silicones, di-Me, Me Hydrogen): Koc= 15860 (estimates)

12.5. Results of PBT and vPvB assessment

-not available

12.6. Other adverse effects

-not available

SECTION 13: Disposal considerations

3.1 Waste treatment methods

-Since more than two kinds of designated waste is mixed, it is difficult to treat separately, Then can be reduction or stabilization by incineration or similar process.
-If water separation is possible, pre-process with water separation process.
-Dispose by incineration
-Dispose of waste in accordance with all applicable laws and regulations.

SECTION 14: Transport information

14.1. UN No.

14.1.1. Un No. (ADR/ RID/ AND)

-Not available

14.1.2. Un No. (IMDG)

-Not available

14.1.3. Un No. (ICAO)

-Not available

14.2. UN Proper shipping name

-Not available

14.3. Transport Hazard class(es)

14.3.1. ADR/RID/ AND Class

-Not available

14.3.2. ADR label No.

-Not available

14.3.3. IMDG Class

-Not available

14.3.4. ICAO Class/ Division

-Not available

14.3.5. Transport labels

-Not available

14.4. Packing Group

14.4.1. ADR/RID/AND Packing group

-Not available

14.4.2. IMDG Packing Group

- Not available

14.4.3. ICAO Packing Group

-Not available

14.5 Environmental Hazards

-Not applicable

14.6 Special precautions for user

-Local transport follows in accordance with Dangerous goods safety management law.
-Package and transport follow with Department of Transport (DOT) and other regulatory agency requirements.
-EmS FIRE SCHEDULE: Not available
-EmS SPILLAGE SCHEDULE: Not available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

-Not available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture

15.1.1. Europe Regulatory

REACH restricted substance

-not applicable

REACH substances subject to authorization

-not applicable

REACH SVHC

-not applicable

EUROPE PBT

-not applicable

European Union (EU) Transport of Dangerous goods by road-Dangerous Goods List

-not applicable

15.2. Chemical safety assessment

-not conducted

SECTION 16: Other information

Supplemental information

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are compiled with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.