Safety Data Sheet
acc. to OSHA HCS

Printing date 01/29/2018 Reviewed on 11/02/2017

1 Identification of the Substance/Mixture and of the Company/Undertaking

· **Product identifier**

· **Trade name: Replacement 1L Cyan Ink for use in HP® 972 Series Cartridges**

· **Article number:** INK055C-1L
· **Application of the substance / the mixture** Printing inks

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Static Control Components Inc.
P.O. Box 152
Sanford, North Carolina, 27331
info@scc-inc.com

· **Information department:** Product Safety Department
· **Emergency telephone number:**
During Normal Operating Hours: 919-774-3808
Emergency Telephone Number: 1-919-770-7984 or 1-919-770-6019

2 Hazards Identification

· **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

· **Label elements**
· **GHS label elements** None required
· **Hazard pictograms** None required
· **Signal word** None required
· **Hazard statements** None required
· **Classification system:**
· **NFPA ratings (scale 0 - 4)**



Health = 1
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 1
Fire = 0
Reactivity = 0

· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/Information on Ingredients

· **Chemical characterization: Mixtures**
· **Description:** Printing ink

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/29/2018 Reviewed on 11/02/2017

Trade name: Replacement 1L Cyan Ink for use in HP® 972 Series Cartridges

(Contd. of page 1)

· **Dangerous components:**		
111-46-6	2,2'-oxybisethanol	10-25%
56-81-5	glycerol	2.5-10%

· **Non-hazardous components**		
147-14-8	Phthalocyanine Blue	2.5-10%
	Ethanesulfonic acid, 2-(methyl((9Z)-1-oxo-9-octadecenyl)amino)-, potassium salt	2.5-10%

4 First Aid Measures

· **Description of first aid measures**
· **General information:** No special measures required.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Generally the product does not irritate the skin.
· **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting Measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** No Information Available
· **Special hazards arising from the substance or mixture**
Like most finely divided organic powders , toner dust may form an explosive mixture in air.
· **Advice for firefighters**
· **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Vacuum or sweep the material into a sealed container. If a vacuum is used it must be dust explosion-proof. Dispose of in compliance with national, state, regional or provincial regulations.
· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/29/2018 Reviewed on 11/02/2017

Trade name: Replacement 1L Cyan Ink for use in HP® 972 Series Cartridges

(Contd. of page 2)

See Section 13 for disposal information.

7 Handling and Storage

· **Handling:**
· **Precautions for safe handling**
No special measures required.
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
No special precautions are necessary if used correctly.
Use only in well ventilated areas.
· **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
· **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Protect from humidity and water.
· **Specific end use(s)** No further relevant information available.

8 Exposure Controls/Personal Protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
111-46-6 2,2'-oxybisethanol	
WEEL	Long-term value: 10 mg/m³
56-81-5 glycerol	
PEL	Long-term value: 15* 5** mg/m³ mist; *total dust **respirable fraction
TLV	TLV withdrawn-insufficient data human occup. exp.

· **Additional Occupational Exposure Limit Values for possible hazards during processing:**

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/29/2018 Reviewed on 11/02/2017

Trade name: Replacement 1L Cyan Ink for use in HP® 972 Series Cartridges

(Contd. of page 3)

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)

ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)

Amorphous Silica: USA OSHA (TWA/PEL): 20mppcf 80 mg/m3, ACGIH (TWA/TLV): 10 mg/m3

TRGS 900 (Luftgrenzwert): 10 mg/m3 (Einatembare partikel)). 3 mg/m3 (Alveolengängige fraktion)

UK WEL: 10 mg/m3 (Respirable Dust) 5 mg/m3 (Inhalible Dust)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Wash hands before breaks and at the end of work.
Do not inhale dust / smoke / mist.
· **Protection of hands:**
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:** Safety glasses

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Liquid
Color:	Blue
· **Odor:**	Characteristic
· **Odor threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· **Flash point:**	Not applicable.
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	225 °C (437 °F)
· **Decomposition temperature:**	Not determined.
· **Auto igniting:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard in its original state.

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/29/2018 Reviewed on 11/02/2017

Trade name: Replacement 1L Cyan Ink for use in HP® 972 Series Cartridges

(Contd. of page 4)

· **Explosion limits:**	
Lower:	0.7 Vol %
Upper:	22.0 Vol %
· **Vapor pressure at 20 °C (68 °F):**	0.1 hPa
· **Density:**	SG: 1.3-1.8
· **Relative density**	Not determined.
· **Vapor density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with**	
Water:	Not miscible or difficult to mix.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Solvent content:**	
Organic solvents:	25.0 %
VOC content:	15.0 % 150.0 g/l / 1.25 lb/gl
· **Other information**	No further relevant information available.

10 Stability and Reactivity

· **Reactivity** Non reactive.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**		
111-46-6 2,2'-oxybisethanol		
Oral	LD50	12565 mg/kg (rat)
Dermal	LD50	11890 mg/kg (rabbit)

· **Primary irritant effect:**
· **on the skin:** No toxic irritating effect, according to Directive 67/548/EEC or Directive 199/45/EC.
· **on the eye:** No toxic irritating effect, according to Directive 67/548/EEC or Directive 199/45/EC.
· **Sensitization:** No toxic sensitizing effects known, according to EU Directive 67/548/EEC or Directive 199/45/EC.

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/29/2018 Reviewed on 11/02/2017

Trade name: Replacement 1L Cyan Ink for use in HP® 972 Series Cartridges

(Contd. of page 5)

· **Other information (about experimental toxicology):**
Mutagenicity : Ames test Negative (According to the test result of similar composition.)
· **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

12 Ecological Information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

13 Disposal Considerations

· **Waste treatment methods**
· **Recommendation:** Smaller quantities can be disposed of with household waste.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

· **UN-Number**	Not a regulated material under the United States DOT, IMDG, ADR, RID,or ICAO/IATA.

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/29/2018 Reviewed on 11/02/2017

Trade name: Replacement 1L Cyan Ink for use in HP® 972 Series Cartridges

(Contd. of page 6)

· **DOT, ADR, ADN, IMDG, IATA**	Void
· **UN proper shipping name**	Not a regulated material under the United States DOT, IMDG, ADR, RID,or ICAO/IATA
· **DOT, ADR, ADN, IMDG, IATA**	Void
· **Transport hazard class(es)**	Not a regulated material under the United States DOT, IMDG, ADR, RID,or ICAO/IATA.
· **DOT, ADR, ADN, IMDG, IATA**	
· **Class**	Void
· **Packing group**	Not a regulated material under the United States DOT, IMDG, ADR, RID,or ICAO/IATA.
· **DOT, ADR, IMDG, IATA**	Void
· **Environmental hazards:**	Not applicable.
· **Special precautions for user**	Not applicable.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	Void

15 Regulatory Information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
· **Sara**

· **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

147-14-8	Phthalocyanine Blue

· **TSCA (Toxic Substances Control Act):**

111-46-6	2,2'-oxybisethanol
56-81-5	glycerol
147-14-8	Phthalocyanine Blue

· **Proposition 65**

· **Chemicals known to cause cancer:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/29/2018 Reviewed on 11/02/2017

Trade name: Replacement 1L Cyan Ink for use in HP® 972 Series Cartridges

(Contd. of page 7)

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**
None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**
None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.

· **GHS label elements** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 01/29/2018 / -
· **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
· *** Data compared to the previous version altered.**
No changes to the Material Safety Data Sheet, all sections are current as the date of print seen above describes.