

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/30/2017

Reviewed on 10/30/2017

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

- **Product identifier**
- **Trade name:** Non-OEM Replacement Ink Cartridge for HP® 972X Cyan
- **Article number:** RIC972X-C
- **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)**



- **HMIS-ratings (scale 0 - 4)**



- **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

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· 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.

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See Section 13 for disposal information.

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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:**

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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.

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|--|-------------------------|
| · 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/gal |
| · 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.

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· **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.

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· 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.

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· 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.

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· **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** 10/30/2017 / -· **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.