

MATERIAL HEALTH & SAFETY (CoSHH) SHEET

**PRODUCT NAME: LYRECO LIQUID INK ROLLERBALL**  
**993.751/993.762/993.773/1.881.922**  
**4.159.403/4.159.414/4.159.425/4.159.436**

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**SECTION 1 – GENERAL INFORMATION**

**SUPPLIERS NAME: LYRECO TEL NO: +33 (0)3 27 23 64 00**  
**ADDRESS: RUE DU MARS 1962**  
**59770 MARLY**  
**FRANCE**

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**SECTION 2 – CHEMICAL PRODUCT**

**Colour:** Black, Red, Blue & Green

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**SECTION 3 – COMPOSITION & INFORMATION ON INGREDIENTS**

**Composition**

**Clip:** SAN (HC-5920)

**Ball for cap:** 4-dia metre (Silicon)

**Body:** Poly (bisphenol-A) carbonate

**End of plug (tail):** SAN (HC-5920)

**Front cone:** SAN (HC-5920)

**Dia of Pen:** Nickel silver & stainless steel

**Ink material:** Pigment ink

**Information on ingredients**

**Clip, end of plug, front cone:** SAN (HC-5920)

**Component:** Acrylonitrile – styrene copolymer

**CAS Number:** 9003-54-7

**EC Number (ELINCS):** 404-370-8

**Percentage:** 100,0

**Component:** Styrene Monomer

**CAS Number:** 100-42-5

**EC Number (ELINCS):** 202-850-5

**Percentage:** <0.1

**Component:** Acrylonitrile inhibited

**CAS Number:** 107-13-1

**EC Number (ELINCS):** 203-466-5

**Percentage:** <0.1

**Body:** Poly (Bisphenol - A) Carbonate

**Component:** Poly (Bisphenol – A) Carbonate

**CAS Number:** 25971-63-5

Percentage: >99

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**SECTION 4 – HAZARDS IDENTIFICATION**

**NFPA RATING (SCALE 0-4): HEALTH=1, FIRE=1, REACTIVITY=0**

**EC CLASSIFICATION (CALCULATED):** No classification assigned.

**EMERGENCY OVERVIEW:**

**CHANGE IN APPEARANCE:** hygroscopic

**PHYSICAL FORM:** solid

**MAJOR HEALTH HAZARDS:** No significant target effects reported.

**PHYSICAL HAZARDS:** Dust/air mixtures may ignite or explode.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:**

**SHORT TERM EXPOSURE:** no information on significant adverse effects.

**LONG TERM EXPOSURE:** no information on significant adverse effects.

**SKIN CONTACT:**

**SHORT TERM EXPOSURE:** no information on significant adverse effects.

**LONG TERM EXPOSURE:** no information on significant adverse effects.

**EYE CONTACT:**

**SHORT TERM EXPOSURE:** no information on significant adverse effects.

**LONG TERM EXPOSURE:** no information on significant adverse effects.

**INGESTION:**

**SHORT TERM EXPOSURE:** no information on significant adverse effects.

**LONG TERM EXPOSURE:** no information on significant adverse effects.

**CARCINOGEN STATUS:**

**OSHA:** N

**NTY:** N

**IARC:** N

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### SECTION 5 – FIRST AID MEASURES

#### **INHALATION:**

Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed. Get medical attention.

#### **SKIN CONTACT:**

Remove contaminated clothing, jewellery and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention, if needed.

#### **EYE CONTACT:**

Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

#### **INGESTION:**

If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention, if needed.

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### SECTION 6 – FIRE FIGHTING MEASURES

#### **FIRE AND EXPLOSION HAZARDS:**

Slight fire hazard. Dust/air mixtures may ignite or explode.

#### **EXTINGUISHING MEDIA:**

Regular dry chemical, carbon dioxide, water, and regular foam.

#### **LARGE FIRES:**

Use regular foam or flood with fine water spray.

#### **FIRE FIGHTING:**

Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

FLASH POINT: SAN 691f (366°C)  
POLY (BISPHENOL-A) CARBONATE: 450°C  
Lower flammable limit: 0.035 oz/ft<sup>3</sup>  
AUTOIGNITION: 849-932 F (454-500)

## **SECTION 7 – ACCIDENTAL RELEASE MEASURES**

### **OCCUPATIONAL RELEASE:**

Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry.

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## **SECTION 8 – HANDLING AND STORAGE**

Store and handle in accordance with all current regulations and standards. Store in cool, dry place. Ventilation required. Avoid heat, flames, sparks and other sources of ignition. Keep separated from incompatible substances.

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## **SECTION 9 – EXPOSURE CONTROLS, PERSONAL PROTECTION**

### **EXPOSURE LIMITS:**

#### **ACRYLONITRILE – STYRENE COPOLYMER:**

No occupational exposure limits established.

### **VENTILATION:**

Provide local exhaust ventilation equipment, should be explosion-resistant if explosive concentrations are present. Ensure compliance with applicable exposure limits.

### **EYE PROTECTION:**

Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

### **CLOTHING:**

Wear appropriate chemical resistant clothing.

### **GLOVES:**

Wear appropriate chemical resistant clothing.

### **RESPIRATOR:**

Under conditions of frequent use of heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

Any dust, mist and fume respirator.

Any air-purifying respirator with a high-efficiency particulate filter.

Any powered, air-purifying respirator with a dust, mist, and fume filter.

Any powered, air-purifying respirator with a high-efficiency particulate filter.

For unknown concentrations or immediately dangerous to life or health

Any supplied – air respirator with full-face piece and operated in a pressure-demand or other positive-mode in combustion with a separate escape supply.

Any self-contained breathing apparatus with a full face piece.

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## **SECTION 10 – PHYSICAL AND CHEMICAL PROPERTIES**

### **Clip, End of plug, Front cone: SAN (HC-5920)**

PHYSICAL STATE: solid

APPEARANCE: clear

CHANGE IN APPEARANCE: hygroscopic

ODOUR: Not available

MOLECULAR FORMULA: (C8-H8, C3-H3-N) X

BOILING POINT: Not applicable

MELTING POINT: 248 F (120)

VAPOUR PRESSURE: Not applicable

VAPOUR DENSITY: Not applicable

SPECIFIC SOLUBILITY: (water=1) : 1.06-1.15

WATER SOLUBILITY: insoluble

EVAPORATION RATE: Not applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

SOLVENT SOLUBILITY:

Soluble: acetone, chloroform, dioxin, methyl ethyl ketone, and pyridines

Insoluble: alcohol's, gasoline's, oils

Swells: benzen, ether, and toluene

### **Body: Poly (bisphenol-A) carbonate**

APPEARANCE: A solid

ODOUR: Not available

BOILING POINT: Not applicable

MELTING POINT: 230-250

VAPOUR PRESSURE: Not applicable

WATER SOLUBILITY: insoluble

EVAPORATION RATE: Not applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

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## **SECTION 11 – STABILITY AND REACTIVITY**

REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and sources of ignition. Avoid contact with incompatible materials.

INCOMPATIBILITIES: oxidising materials.

HAZARDOUS DECOMPOSITION: Thermal decomposition products: oxides of carbon, nitrogen, cyanides, aldehydes, acrolein, various organic fragments.

POLYMERISATION: Will not polymerise

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## **SECTION 12 – TOXICOLOGICAL INFORMATION**

ACRYLONITRILE-STYRENE COPOLYMER:

TOXICITY DATA: 5000 mg/kg oral – rate LD50

ACUTE TOXICITY LEVEL: Moderately toxic: ingestion

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**SECTION 13 – ECOLOGICAL INFORMATION**

Not available

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**SECTION 14 – DISPOSAL CONSIDERATIONS**

Dispose in accordance with all applicable regulations

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**SECTION 15 – TRANSPORT INFORMATION**

No classification assigned.

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**SECTION 16 – REGULATORY INFORMATION**

**Clip, End of plug, front cone: SAN (HC-5920)**

U.S. REGULATION:

TSCA INVENTORY STATUS: Y

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

CERCLA SECTION 103 (40CFR302.4): Y

STYRENE: 1000 LBS RQ

ACRYLONITRILE: 100RQ

SARA SECTION 302 (40CFR355.30): Y

ACRYLONITRILE: 100 LBS RQ

SARA SECTUIB 313 (40CFR372.65): N

SARA HAZARD CATEGORIES, SARA SECTION 311/312 (40CFR370.21)

ACUTE: N

CHRONIC: N

FIRE: N

REACTIVE: N

SUDDEN RELEASE: N

OSHA PROCESS SAFETY (29CFR1910.119): N

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: Y

EUROPEAN REGULATIONS:

EC NUMBER (ELINCS): 404-370-8

\*\*\*\*\*END\*\*\*\*\*