

**I. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY UNDERTAKING****1.1 PRODUCT IDENTIFIER**

Product name: Ink cartridge for use in Franking Machines  
Part number: 6.477.495 – FN3812LYR

**1.2 IDENTIFIED USES AND USES ADVISED AGAINST**

For use in: Franking Machines

**1.3 SUPPLIER DETAILS**

Supplier: Lyreco  
Rue du 19 Mars 1962  
59770 Marly  
France  
Phone number: +33(0) 3 27 23 64 00  
Fax:  
E-mail: msds@lyreco.com  
Contact Hours: 8.00 am - 18.30 pm

**1.4 EMERGENCY TELEPHONE NUMBERS**

Supplier: +33(0) 3 27 23 64 00      Emergency Hours: 8.00 am - 18.30 pm  
European Emergency: +33(0) 3 27 23 64 00

\* This document provides safety-related information about ink contained in print cartridge for use in Franking printers.

**2. HAZARDS IDENTIFICATION****2.1 INFORMATION and CLASSIFICATION**

Overview: The product is not classified as dangerous. It contains irritant organic solvents.

**2.2 LABEL ELEMENTS**

Applicable Pictograms:



Danger Indications: N/A

Risk Phrases: N/A

Safety Phrases: N/A

**2.3 OTHER HAZARDS**

PBT or vPvB: N/A

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Ingredients       | CAS number | Weight %     | EC Number | Reach (pre/registration) Number | Index number | OSHA PEL | ACGIH TLV | EU Classification |
|-------------------|------------|--------------|-----------|---------------------------------|--------------|----------|-----------|-------------------|
| GLYCERINE         |            | 56-81-5      | 10-15     |                                 |              |          |           |                   |
| DIETHYLENE GLYCOL |            | 111-46-6     | 0-10      |                                 |              |          |           |                   |
| PYRROLIDONE 2-    |            | 616-45-5     | 0-5       |                                 |              |          |           |                   |
| DYE COMPUND       |            | Trade Secret | 15-30     |                                 |              |          |           |                   |

The Full Text for all R-Phrases are Displayed in Section 16

**COMPOSITION COMMENTS**

The Data Shown is in accordance with the latest EC Directives.

This section provides composition information for the ink contained in specially designed container inside of the print cartridge.

**4. FIRST-AID MEASURES**

**4.1 FIRST AID MEASURES**

**4.1.1 FIRST AID INSTRUCTIONS BY RELEVANT ROUTES OF EXPOSURE**

- Inhalation: Remove to fresh air. If effects occur, consult medical personnel
- Eye contact: Flush eyes immediately with plenty of water for at least 15 minutes.
- Skin contact: Flush with plenty of water. Use soap.
- Ingestion: No adverse effects anticipated by this route of exposure incidental to proper handling.

**4.1.2 ADDITIONAL FIRST AID INFORMATION**

- Additional first aid information: N/A
- Immediate Medical Attention Required: N/A

**4.2 SYMPTOMS AND EFFECTS**

- Acute Symptoms from Exposure: N/A
- Delayed Symptoms from Exposure: N/A

**4.3 IMMEDIATE SPECIAL TREATMENT OR EQUIPMENT REQUIRED**

Move to fresh air

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**5. FIRE-FIGHTING MEASURES**

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**5.1 EXTINGUISHING MEDIA**

Recommended Extinguishing Media: Dry chemical, carbon dioxide or foam type axtinguishers.  
Extinguishing Media Not to be Used: Water jet.

**5.2 SPECIAL HAZARD**

Unusual Fire/Explosion Hazards: None.  
Extinguishing Media Not to be Used: None

**5.3 ADVICE FOR FIRE FIGHTERS**

Avoid inhalation of smoke. Wear protective clothing an wear self-contained breathing apparatus

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**6. ACCIDENTAL RELEASE MEASURES**

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**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES****6.1.1 PRECAUTIONS FOR NON-EMERGENCY PERSONNEL**

Minimize the release of particulates. Do not use a vacuum cleaner unless motor is rated dust tight.

**6.1.2 ADDITIONAL FIRST AID INFORMATION**

None.

**6.1.3 PERSONAL PROTECTION**

Wear personal protective equipment as described in Section 8.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Regulatory Information: Keep product out of sewers and watercourses.

**6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP**

Spill or Leak Cleanup Procedures: None.

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**7. HANDLING AND STORAGE**

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**7.1 PRECAUTIONS FOR SAFE HANDLING**

Recommendations for Handling: No special precautions when used as intended. Keep containers closed dust. Keep away from ignition sources.

Advice on General Hygiene: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

**7.2 CONDITIONS FOR SAFE STORAGE**

Avoid high temperatures, >100°F/32°C

**7.3 SPECIFIC END USES**

Printing devices

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**8.1 CONTROL PARAMETERS**

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release in order to maintain airborne concentrations of the product below OSHA PELs (See Section 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**8.2 EXPOSURE CONTROLS****Respiratory protection:**

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134 and 1910.137) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given work conditions, levels of airborne contamination, and sufficient levels of oxygen.

**Eye/Face Protection:**

Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Hand/Skin Protection:**

For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. WARNING! Air purifying respirators do not protect worker in oxygen deficient atmospheres.

**Additional Protection:**

N/A

**Protective Clothing and Equipment:**

Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear splash-proof chemical goggles and face shield when working with liquid, unless full face piece respiratory protection is worn.

**Safety Stations:**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:**

Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from your shoes and clean personal protective equipment. Never take home contaminated clothing.

**Comments:**

Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 DETAIL INFORMATION**

|                            |         |
|----------------------------|---------|
| Physical state:            | Liquid. |
| Color:                     | Blue    |
| Odor:                      | Mild    |
| Odor threshold:            | N/A     |
| Melting point:             | N/A     |
| Flash point:               | N/A     |
| Explosion limits:          | N/A     |
| Relative density:          | N/A     |
| Auto-ignition temperature: | N/A     |

**9.2 OTHER INFORMATION**

N/A

**10. CHEMICAL STABILITY AND REACTIVITY****10.1 Reactivity:**

|                                    |      |
|------------------------------------|------|
| <b>Reactivity Hazards:</b>         | None |
| <b>Data on Mixture Substances:</b> | None |

|                                       |   |
|---------------------------------------|---|
| <b>10.2 Chemical Stability:</b>       | The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur. |
| <b>10.3 Hazardous Polymerization:</b> | Stable under conditions of normal use.  |
| <b>10.4 Conditions to Avoid:</b>      | Keep away from heat, flame, sparks and other ignition sources.  |
| <b>10.5 Incompatible Materials:</b>   | Strong oxidising materials  |
| <b>10.6 Hazardous Decomposition:</b>  | Will not occur.   |

**11. INFORMATION ON TOXICOLOGICAL EFFECT**

|                                    |   |
|------------------------------------|---|
| <b>Mixtures:</b>                   | Ink contains non known toxicological materials.   |
| <b>Acute Toxicity:</b>             | N/A   |
| <b>Skin Corrosion/Irritation:</b>  | Tests on inks containing similar materials indicate no evidence of acute dermal toxicity; non-irritating and non-sensitizing in human patch test. |
| <b>Serious Eye Damage:</b>         | N/A   |
| <b>Sensitization:</b>              | N/A   |
| <b>Mutagenicity:</b>               | Ink is negative (no mutagenic) in the Ames assay  |
| <b>Carcinogenicity:</b>            | N/A   |
| <b>Reproductive Toxicity:</b>      | N/A   |
| <b>STOT - Single Exposure:</b>     | N/A   |
| <b>STOT - Multiple Exposure:</b>   | N/A   |
| <b>Ingestion:</b>                  | N/A   |
| <b>Hazard Class Information:</b>   | N/A   |
| <b>Mixture on Market Data:</b>     | N/A   |
| <b>Symptoms:</b>                   | N/A   |
| <b>Delayed/Immediate Effects:</b>  | N/A   |
| <b>Test Data on Mixture:</b>       | N/A   |
| <b>Not Meeting Classification:</b> | N/A   |
| <b>Routes of Exposure:</b>         | N/A   |
| <b>Interactive Effects:</b>        | N/A   |
| <b>Absence of Specific Data:</b>   | N/A   |
| <b>Mixture vs Substance Data:</b>  | N/A   |

**12. ECOLOGICAL INFORMATION**

|  |   |
|--|---|
| <b>12.1 Eco toxicity:</b>              | Based on available data, not harmful to aquatic life. |
| <b>12.2 Degradability:</b>             | Not readily biodegradable.                            |
| <b>12.3 Bioaccumulation Potential:</b> | Bioaccumulation is insignificant.                     |
| <b>12.4 Mobility in Soil:</b>          | Completely miscible in water.                         |
| <b>12.5 PBT &amp; vPvB Assessment:</b> | N/A   |
| <b>12.6 Other Adverse Effects:</b>     | Presents little or no hazard to the environment.      |

**13. DISPOSAL CONSIDERATIONS****Disposal Information:**

This product is not regarded as hazardous waste as defined by EU directive 91/689/EEC  
Dispose as a solid waste in accordance with local authority regulations.  
Empty container retains product residue.

**Physical/Chemical Properties that affect Treatment:**

Symbol: This product is not classified as dangerous.  
Risk Phrases: This product is not classified according to the EU regulations.

**Waste Treatment Information:**

Dispose of in compliance with federal, state, and local regulations

**Personal Protection Required:**

N/A

**14. TRANSPORT INFORMATION**

|                             |                |
|-----------------------------|----------------|
| 14.1 UN Number:             | None allocated |
| 14.2 UN Shipping Name:      | N/A            |
| 14.3 Hazard Class:          | N/A            |
| 14.4 Packing Group:         | N/A            |
| 14.5 Environmental Hazards: | N/A            |
| 14.6 User Precautions:      | N/A            |
| 14.7 Bulk Transport:        | N/A            |

**GENERAL:**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**15. REGULATORY INFORMATION****EU Regulatory Information:**

**EPA Regulatory Information:** None at this time

**CERCLA Reportable Quantity:** None

**Superfund Information:****Hazard Categories:**

**Immediate:** None

**Delayed:** None

**Fire:** None

**Pressure:** None

**Reactivity:** None

**Section 302 - Extremely Hazardous:** Not listed

**Section 311 - Hazardous:** Not listed

**State Regulations:****Other Regulatory Information:**

**16. OTHER INFORMATION**

This SDS sheet has been made in compliance with EU directive: N/A

|                                   |   |
|-----------------------------------|---|
| <b>General Comments:</b>          | This information is based on our current knowledge. It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application |
| <b>Creation Date of this SDS:</b> | 03-12-2013  |
| <b>Data Sources:</b>              | Ink supplier  |
| <b>Classification Methods:</b>    | Not available   |
| <b>CLP Classification:</b>        | None  |
| <b>Labeling Phrases:</b>          | None  |
| <b>Relevant R Phrases:</b>        | N/A   |
| <b>Relevant S Phrases:</b>        | N/A   |
| <b>Worker Training:</b>           | N/A   |





# SAFETY DATA SHEET

## Key to Abbreviations and Acronyms used in this sheet:

|  |   |
|--|---|
| ACGIH = American Conference of Governmental Industrial Hygienists            | N/A = Not Applicable  |
| CERCLA = Comprehensive Environmental Response Compensation and Liability Act | NFPA = National Fire Protection Association                   |
| CLP = Classification, Labeling, and Packaging                                | NIOSH = National Institute for Occupational Safety and Health |
| DSD = Dangerous Substances Directive   | OSHA = Occupational Health and Safety Administration          |
| EC = European Community  | PEL = Permissible Exposure Limit                              |
| ECHA = European Chemicals Agency   | SCBA = Self Contained Breathing Apparatus                     |
| EPA = Environmental Protection Agency  | STOT = Specific Target Organ Toxicity                         |
| EU = Europe or European  | TLV = Threshold Limit Value                                   |
| GHS = Globally Harmonized System   | UK = United Kingdom   |
|  | UN = United Nations   |
|  |   |
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## Ref:

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