



LAMP INKS

GENERAL ELECTRIC COMPANY

LAMP COMPONENTS DIVISION

PRODUCT DATA SHEET 7760-C

November, 1981

Replaces 9200-b, 10-1-74

MONOGRAM INKS

Monogram inks are used primarily for marking glass surfaces. They feature a combination of the following characteristics, all of which are seldom found together in other inks:

- Easy application (may be applied with rubber stamp)
- Excellent resistance to high temperatures
- Permanency (strongly resists rub off)

These inks are non-drying, under normal ambient conditions, and therefore require little attention in lampmaking operations. One application to an inking device can last up to an hour and can print thousands of marks. Application is usually mechanical by means of a plate-to-roller-to-rubber stamp arrangement. Upon application of sufficient heat the ink bakes into the glass giving good adhesion. The ink becomes a brilliant black, red or silver depending on its formulation.

Several monogram inks are described in the table below.

Order Number Prefix	Color	Base	Viscosity
42001 -	Black	Phosphate	Low
42004 -	Black	Phosphate	Medium
42005 -	Silver	Borate	Paste
42007 -	Red	Phosphate	Medium Low
42008 -	Black	Phosphate	Paste
42009 -	Red	Phosphate	Medium
42010 -	Black	Borate	Paste
42011 -	Red	Phosphate	Paste
42012 -	Black	Phosphate	High

GLASS MARKING INK

Glass marking ink is intended for pen applications on glass. The ink contains a film former and pigment.

Order Number Prefix	Description
42002 -	Red, permanent ink recommended for glass marking. It offers good resistance to high temperatures.

TOXICITY

The toxicological properties of lamp inks have not been completely defined. The General Electric Company, therefore, suggests they be handled in such a manner as to avoid dust inhalation, ingestion and skin or eye contact. Part or all of these materials may also have been reported for inventory under the Toxic Substances Control Act (PL-94-469)..

ORDERING

To order lamp inks, contact your local sales representative or:

Domestic

General Electric Company
Chemical Products Plant
1099 Ivanhoe Road
Cleveland, Ohio 44110
Phone: (216) 266-4611

International

General Electric Company
Lamp Components Division
International Sales
21800 Tungsten Road
Cleveland, Ohio 44117 U.S.A.
Telex: 985569 (GECOLCS EUCD)
Phone: (216) 266-3295

General Electric's Lamp Components Division is the source for tungsten, molybdenum, glass, fused quartz, Lucalox® ceramic, phosphors, chemicals, Dumet and Cumet wire, leads, bases and other components used by the lamp, electronic, cemented carbide and other industries. Technical and engineering assistance is available on all products. For information contact:

General Electric Company
Lamp Components Sales Operation
21800 Tungsten Road
Cleveland, Ohio 44117
(216) 266-2451
Telex: 985569

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