# This SDS packet was issued with item: 070308023

N/A



Page: 10f 5 First issue: Dec. 26, 2007 Revised: Apr. 10, 2008 MSDS No.: BHY018

Product name: LC61Y, LC65HY-Y, LC980Y, LC1100Y, LC1100HY-Y, LC38Y, LC67Y, LC990Y

# MATERIAL SAFETY DATA SHEET

Product Name Product Code	LC61Y LK3368001	LC65HY-Y LK3293001	LC980Y LK3376001	LC1100Y LK3574001
Product Name Product Code	LC1100HY-Y LK3539001	LC38Y LK3663001	LC67Y LK3671001	LC990Y LK3651001
General Use Product Descriptio MSDS No.	Inkjet printing n Water based ink BHY018	cartridge for inkj	et printing machine	5.
	BROTHER INDUSTRIES, LTD. 5-1, Hamada-cho, Minami-ku, Nagoya 457-0822, JAPAN Telephone Number for Information +81-52-824-3429		29	
in USA	BROTHER INTERNATIONAL CORPORATION 100 Somerset Corporate Boulevard, P.O.Box 6911, Bridgewater, NJ 08807-0911, USA Telephone Number for Information +1-800-284-4329			
in Canada	BROTHER INTERNATIONAL CORP. (Canada) LTD. 1 rue Hôtel de Ville, Dollard-des-Ormeaux, Québec, H9B 3H6, CANADA Telephone Number for Information +1-514-685-0600			
in Australia	BROTHER INTERNATIONAL (AUST.) PTY. LTD. ACN 001 393 835 7 Khartoum Road, North Ryde, N.S.W. 2113 08875-6714, AUSTRALIA Telephone Number for Information +61-2-9887-4344			
in Europe I	BROTHER INTERNATIONAL EUROPE LTD. Brother house, 1 Tame Street, Guide Bridge, Audenshaw, Manchester M34 5JE, UK Telephone Number for Information +44-161-330-6531		lanchester	

Please telephone to the above office during our business hours.

### 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Ink in cartridge is dark yellow liquid with slight odor. Keep out of reach of children. Ink poses little or no immediate hazard if spilled.

### POTENTIAL HEALTH EFFECTS

Inhalation :	Not expected to be a route of exposure under normal use.
Eye :	Ink may cause slight irritation.
Skin:	Prolonged exposure to ink may cause irritation.
Ingestion :	Ink may cause gastrointestinal or other adverse effects.



Page: 2of 5 First issue: Dec. 26, 2007 Revised: Apr. 10, 2008 MSDS No.: BHY018

Product name: LC61Y, LC65HY-Y, LC980Y, LC1100Y, LC1100HY-Y, LC38Y, LC67Y, LC990Y

# MATERIAL SAFETY DATA SHEET

### CHRONIC EFFECTS / CARCINOGENICITY

Ingredients of ink have not been classified as carcinogens according to IARC monographs, NTP, and OSHA regulated.

### EU HAZARD LABEL

Ink is not classified according to EU-Directive 1999/45/EC.

CHEMICAL NAME	CAS#/ EC#	% by weight	USA OSHA PEL	ACGIH TLV	EU Symbol / Risk Phrases
Glycerol	56-81-5 / 200-289-5	5 - 10	(as mist) Total dust TWA 15mg/m <sup>3</sup> Respirable fraction TWA 5mg/m <sup>3</sup>	(as mist) Total dust TWA 10mg/m <sup>3</sup>	Not classified
Triethylene glycol monobutyl ether	143-22-6/205-592-6	1 – 5	Not established	Not established	Xi / R41
Yellow dye	Registered	1-5	Not established	Not established	Not established
Water	7732-18-5 / 231-791-2	60 - 80	Not established	Not established	Not established

# 4. FIRST AID MEASURES

INHALATION :	Remove to fresh air area and get medical attention.		
EYE:	Flush immediately with running water for at least 15 minutes and get medical attention.		
SKIN :	Wash with water and soap.		
INGESTION :	Dilute with water and get medical attention.		

# 5. FIRE FIGHTING MEASURES

Flammability : Flash point :	426°C LEL : Not available UEL : Not available Does not flash (>93.3°C) (Tag closed cup & Cleveland opened cup)
EXTINGUISHING MEDIA Suitable:	Water, CO <sub>2</sub> , Foam, Dry chemical. None
FIRE FIGHTING INSTRUCTIONS Special exposure hazards : Special protect equipment for fire-fighters	Refer to section 10. : Use self-contained breathing apparatus.



Page: 3of 5 First issue: Dec. 26, 2007 Revised: Apr. 10, 2008 MSDS No.: BHY018

Product name: LC61Y, LC65HY-Y, LC980Y, LC1100Y, LC1100HY-Y. LC38Y, LC67Y, LC990Y

# MATERIAL SAFETY DATA SHEET

### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION : ENVIRONMENTAL PRECAUTION : METHODES FOR CLEANING UP : In case of ink vapor formation use respirator. Take care to minimize ink that reaches to a sewer. Wipe up ink with absorbent towel. Wash with water to remove remaining traces of ink.

# 7. HANDLING AND STORAGE

HANDLING :	Avoid skin contact with ink. Prevent eye contact with ink.
STORAGE :	Keep out of reach of children. Store in a cool, dark, and dry place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES :

Refer to section 2.

EXPOSURE CONTROLS

Engineering controls : Personal protection Respiratory protection : Hand protection : Eye protection : Skin protection :

Not required under normal use. Not required under normal use. Not required under normal use. Not required under normal use.

Ventilation is not required under normal use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Auto-ignition temperature : Boiling point : Density : Flammability : Flash point :

Freezing point : Odor : Partition coefficient (n-octanol/water) : pH : Solubility in water : Vapor density (Air=1) : Vapor pressure : Viscosity :

Dark yellow liquid 426°C 103°C 1.05 g/ml UEL : Not available LEL : Not available Does not flash (>93.3°C) (Tag closed cup & Cleveland opened cup) -7°C Slight odor Not available 7 - 9Soluble Not available Not available 2 - 5 mPa·s



Product name: LC61Y, LC65HY-Y, LC980Y, LC1100Y, LC1100HY-Y, LC38Y, LC67Y, LC990Y

Page: 4of 5 First issue: Dec. 26, 2007 Revised: Apr. 10, 2008 MSDS No.: BHY018

## MATERIAL SAFETY DATA SHEET

### **10. STABILITY AND REACTIVITY**

STABILITY : CONDITIONS TO AVOID : MATERIALS TO AVOID : HAZARDOUS DECOMPOSITION PRODUCTS : HAZARDOUS POLYMERIZATION : Stable None Strong oxidizing agents Carbon monoxide, Carbon dioxide Does not occur

# 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Eye irritation : Skin irritation : LD<sub>50</sub> of ink is greater than 2000mg/kg. Ink is classified as a MINIMAL IRRITANT. Ink is classified as a NON IRRITANT.

### 12. ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY : BIOACCUMULATIVE POTENTIAL : Not available Not available

### 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local regulations.

### **14. TRANSPORT INFORMATION**

US DEPARTMENT OF TRANSPORTATION (DOT) : MARITIME TRANSPORT IMDG : AIR TRANSPORT ICAO/IATA : Not applicable Not applicable Not applicable

# **15. REGULATORY INFORMATION**

US REGULATIONS TSCA STATUS :

All components in ink are listed on TSCA inventory.

EUROPEAN REGULATIONS

EU NOTIFICATION : All components in ink are listed in EINECS, ELINCS or NLP Inventory.

EU HAZARD LABEL : Ink is not classified according to EU-Directive 1999/45/EC.

# **16. OTHER INFORMATION**

The information relates only to this specific ink cartridge. It may not be valid for this ink cartridge, if used in combination with any other materials or in any other process. And it is based on our best knowledge as of the date of preparation (revision).



Page: 5of 5 First issue: Dec. 26, 2007 Revised: Apr. 10, 2008 MSDS No.: BHY018

LC38Y, LC67Y, LC990Y

# MATERIAL SAFETY DATA SHEET

EU Hazard Symbols :	Xi : Irritant
EU Risk (R) Phrase definitions :	R41 : Risk of serious damage to eyes.

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ACGIH TLV	TLV (Threshold Limit Value) under American Conference of Governmenta
	Industrial Hygienists
DOT	Department Of Transportation (USA)
EINECS	European Inventory of Existing Commercial Chemical Substances (EU)
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
NLP	No-Longer Polymers List (EU)
NTP	National Toxicology Program (USA)
OSHA	Occupational Safety and Health Administration (USA)
OSHA HCS	Hazard Communication Standard issued by Occupational Safety and Health Administration (USA)
OSHA PEL	PEL (Permissible Exposure Limit) under Occupational Safety and Health Administration (USA)
TSCA	Toxic Substances Control Act (USA)



Product name: LC11Y, LC16Y, LC38Y, LC39Y, LC60Y, LC61Y, LC67Y, LC975Y, LC980Y, LC985Y, LC990Y, LC1100Y, LC65HYY, LC67HYY, LC990HYY, LC1100HYY Ink

Issuing Date: 26-December-2007 Revision Date: 1-April -2015 Version: 11 SDS No: BHY018-01-EUUSOTHER

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

roduct name (code)	LC11Y (LK3639001, LK4692001), LC16Y (LK3542001, LK4712001), LC38Y (LK3663001, LK4198001), LC39Y (LK5407001), LC60Y (LK5731001),
	LC61Y (LK3368001, LK4299001), LC67Y (LK3671001, LK4224001),
	LC975Y (LK5672001), LC980Y (LK3376001, LK4050001),
	LC985Y (LK4623001, LK5403001), LC990Y (LK4463001),
	LC1100Y (LK3574001, LK3987001), LC65HYY (LK3293001, LK4332001),
	LC67HYY (LK3540001, LK4279001), LC990HYY (LK3541001, LK4483001),
	LC1100HYY (LK3539001, LK4023001)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant Identified Use(s)	These products are dark yellow ink in a cartridge for Brother Industries, Ltd. inkjet multifunction devices and fax receivers. The cartridge should be used as supplied by Brother and for use in the products stated. Information provided on this SDS is only consistent with the use specified by
	Brother.

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer	Brother Industries, Ltd. 15-1 Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan Telephone (for information): +81-52-824-2735
Importer (USA)	Brother International Corporation 200 Crossing Boulevard, Bridgewater, NJ 08807, USA Telephone (for information): +1-877-276-8437
Importer (Canada)	Brother International Corporation (Canada) Ltd. 1 Hotel de Ville, Dollard des Ormeaux, Quebec, H9B 3H6, Canada Telephone (for information): +1-514-685-0600
Importer (Europe)	Brother International Europe Ltd. Brother House, 1 Tame Street, Guide Bridge, Audenshaw, Manchester M34 5JE, UK Telephone (for information): +44-161-330-6531
Importer (Australia)	Brother International (Aust.) Pty. Ltd. ACN 001 393 835 Level 3, Building A, 11 Talavera Road, Macquarie Park, NSW 2113, Australia Telephone (for information): +61-2-9887-4344
E-mail Address	sds.info@brother.co.jp
1.4 Emergency telephone number	
Emergency Telephone (24 hours)	CHEMTREC +1-703-527-3887 (International) +1-800-424-9300 (North America)

For France only: Antipoison Center telephone number: ORFILA +33-1-45-425-959



Product name: LC11Y, LC16Y, LC38Y, LC39Y, LC60Y, LC61Y, LC67Y, LC975Y, LC980Y, LC985Y, LC990Y, LC1100Y, LC65HYY, LC67HYY, LC990HYY, LC1100HYY Ink

Issuing Date: 26-December-2007 Revision Date: 1-April -2015 Version: 11 SDS No: BHY018-01-EUUSOTHER

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not classified as hazardous

#### Classification according to Directive 1999/45/EC

Not classified as hazardous

#### Australia Classification

Not classified as hazardous according to the criteria of NOHSC

#### 2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008

Hazard pictograms None

Signal Word None

#### Hazard Statements EUH208 - Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Precautionary statements None

### 2.3 Other hazards

This product contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This product contains no substance considered to be very persistent nor very bioaccumulating (vPvB).



Product name: LC11Y, LC16Y, LC38Y, LC39Y, LC60Y, LC61Y, LC67Y, LC975Y, LC980Y, LC985Y, LC990Y, LC1100Y, LC65HYY, LC67HYY, LC990HYY, LC1100HYY Ink

Issuing Date: 26-December-2007 Revision Date: 1-April -2015 Version: 11 SDS No: BHY018-01-EUUSOTHER

### SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Description of the mixture: Water based inkjet ink (Mixture).

Chemical Name	CAS-No	EC-No	w/w%	Classification (67/548/EEC)	Classification (EU Reg. 1272/2008)
Glycerol	56-81-5	200-289-5	5-15	Not classified	Not classified
Triethylene glycol monobutyl ether	143-22-6	205-592-6	1-5	Xi; R41	Eye Dam. 1 (H318)
Yellow Dye	*	*	1-5	Not classified	Not classified
Water	7732-18-5	231-791-2	65-75	Not classified	Not classified
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	< 0.05	Xn; R22 Xi; R41 Xi; R38 R43 N; R50	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400

For the full text of R-phrases and H-Statements see Section 16

### \* Registered

### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

General advice	If symptoms persist, obtain medical attention.	
Inhalation	Obtain medical attention. In case of accident by inhalation remove casualty to fresh air and keep at rest.	
Skin contact	Remove contaminated clothing immediately and wash affected skin with plenty of water or soap and water.	
Eye contact	Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.	
Ingestion	Obtain immediate medical attention. Wash out mouth with water and give 100-200 ml of water to drink.	
4.2 Most important symptoms and effects, both acute and delayed	Skin contact: Repeated and/or prolonged skin contact may cause irritation.	
· · · · · · · · · · · · · · · · · · ·	Eye contact: May cause eye irritation.	
	Ingestion: Ingestion may cause irritation of the gastrointestinal tract. Unlikely route of exposure.	
	Inhalation: Unlikely route of exposure.	
4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically.	



Issuing Date: 26-December-2007 Revision Date: 1-April -2015 Version: 11 SDS No: BHY018-01-EUUSOTHER

Product name: LC11Y, LC16Y, LC38Y, LC39Y, LC60Y, LC61Y, LC67Y, LC975Y, LC980Y, LC985Y, LC990Y, LC1100Y, LC65HYY, LC67HYY, LC990HYY, LC1100HYY Ink

### SECTION 5: Firefighting measures

<b>5.1 Extinguishing media</b> Suitable Extinguishing Media	Extinguish preferably with dry chemical, carbon dioxide, water spray, foam.
Unsuitable Extinguishing Media	None.
5.2 Special hazards arising from the substance or mixture	Thermal decomposition of organic components may result in occurrence of oxides of carbon. Toxic gases may be formed upon combustion and represents a hazard to firefighters. Combustion products: See Section: 10.
5.3 Advice for firefighters	Use appropriate respirator for carbon monoxide and carbon dioxide. Wear positive pressure self-contained breathing apparatus (SCBA) during the attack phase of firefighting operations and during cleanup in enclosed or poorly ventilated areas immediately after a fire. Personnel not having suitable respiratory protection must leave the area to prevent significant exposure to toxic combustion gases from any source.

# SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Avoid contact with eyes.
6.2 Environmental precautions	Prevent substance entering sewers. Washings must be prevented from entering surface water drains.
6.3 Methods and materials for containment and cleaning up	Wipe up with absorbent towel Wash with water to remove remaining traces of ink
6.4 Reference to other sections	For personal protection: See section 8. For disposal considerations: See section 13.

### SECTION 7: Handling and storage

7.1 Precautions for safe handling	Keep out of the reach of children. Avoid contact with skin and eyes.
7.2 Conditions for safe storage, including any incompatibilities	Keep away from oxidizing agents.
7.3 Specific end use(s)	These products are dark yellow ink in a cartridge for Brother Industries, Ltd. inkjet multifunction devices and fax receivers. This cartridge should be used as supplied by Brother and for use in the products stated.

# SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

### **Occupational Exposure Limits**

Chemical Name	Glycerol 56-81-5	
ACGIH TLV	TWA: 10 mg/m <sup>3</sup> mist	
OSHA PEL	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	
European Union	-	
The United Kingdom	STEL: 30 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	



Issuing Date: 26-December-2007 Revision Date: 1-April -2015 Version: 11 SDS No: BHY018-01-EUUSOTHER

Product name: LC11Y, LC16Y, LC38Y, LC39Y, LC60Y, LC61Y, LC67Y, LC975Y, LC980Y, LC985Y, LC990Y, LC1100Y, LC65HYY, LC67HYY, LC990HYY, LC1100HYY Ink

France	TWA: 10 mg/m <sup>3</sup>
Spain	TWA: 10 mg/m <sup>3</sup>
Germany	TWA: 50 mg/m <sup>3</sup>
-	Ceiling / Peak: 100 mg/m <sup>3</sup>
Portugal	TWA: 10 mg/m <sup>3</sup>
Finland	TWA: 20 mg/m <sup>3</sup>
Switzerland	STEL: 100 mg/m <sup>3</sup>
	TWA: 50 mg/m <sup>3</sup>
Poland	TWA: 10 mg/m <sup>3</sup>
Ireland	TWA: 10 mg/m <sup>3</sup>

### 8.2 Exposure controls

Appropriate engineering controls	Good general ventilation should be sufficient under normal use.		
Personal protective equipment	Not normally required. For use other than in normal operating procedures (such as in the event of large spill), the following should be applied:		
Eye Protection Hand Protection Skin and body protection Respiratory protection	Safety goggles. Protective gloves. Long sleeved clothing and long pants. Large spillages: Wear suitable respiratory protective equipment.		
Respiratory protection	Large spillages: Wear suitable respiratory protective equipment.		

Environmental Exposure Controls Avoid release to the environment.

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Color	Dark yellow
Odor	Slight
Odor Threshold	No information available
рН	7 - 9
Melting point/freezing point	-/<-5 °C
Initial boiling point and boiling range	> 100 °C
Flash Point	Not less than 93.3°C
	(Tag closed cup; Cleveland open cup)
Evaporation rate	No information available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive	No information available
limits	
Vapor pressure	No information available
Vapor density	No information available
Relative density	1.0 - 1.1 (H <sub>2</sub> O=1)
Solubility(ies)	Soluble (water)
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	>400 °C
Decomposition temperature	No information available
Viscosity	1 - 5 mPa⋅s
Explosive properties	Not explosive
Oxidizing properties	No information available

#### 9.2 Other information

No information available.



Product name: LC11Y, LC16Y, LC38Y, LC39Y, LC60Y, LC61Y, LC67Y, LC975Y, LC980Y, LC985Y, LC990Y, LC1100Y, LC65HYY, LC67HYY, LC990HYY, LC1100HYY Ink

Issuing Date: 26-December-2007 Revision Date: 1-April -2015 Version: 11 SDS No: BHY018-01-EUUSOTHER

# SECTION 10: Stability and reactivity

10.1 Reactivity	No information available.
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	No information available.
10.4 Conditions to avoid	No information available.
10.5 Incompatible materials	Strong oxidizing agents.
10.6 Hazardous decomposition products	Contains: Carbon monoxide (CO). Carbon dioxide (CO $_2$ ).

### **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

### Acute toxicity

Inhalation Eye contact Skin contact Ingestion	No information available. No information available. No information available. LD <sub>50</sub> > 2000 mg/kg (Method OECD#420)
Skin corrosion/irritation	Non-irritant. (Method: OECD#404)
Serious eye damage/irritation	Minimal irritant to the eye. (Method: OECD#405)
Respiratory or skin sensitisation	It is not a skin sensitizer. (Method: OECD#429)
Mutagenicity	Negative. (Method: OECD#471)
Carcinogenicity	Ingredients of this product have not been classified as carcinogens according to IARC monographs, NTP and OSHA



Product name: LC11Y, LC16Y, LC38Y, LC39Y, LC60Y, LC61Y, LC67Y, LC975Y, LC980Y, LC985Y, LC990Y, LC1100Y, LC65HYY, LC67HYY, LC990HYY, LC1100HYY Ink

Issuing Date: 26-December-2007 Revision Date: 1-April -2015 Version: 11 SDS No: BHY018-01-EUUSOTHER

### **SECTION 12: Ecological information**

### 12.1 Toxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Glycerol		LC <sub>50</sub> : 51 - 57 mL/L 96 h	EC <sub>50</sub> : >500 mg/L 24 h
56-81-5		static (Oncorhynchus mykiss)	(Daphnia magna)
Triethylene glycol monobutyl ether	EC <sub>50</sub> : >500 mg/L 72 h	LC <sub>50</sub> : 2200 - 4600 mg/L 96 h	EC <sub>50</sub> : >500 mg/L 48 h
143-22-6	(Desmodesmus subspicatus)	static (Leuciscus idus) $LC_{50}$ : 2400 mg/L 96 h static (Pimephales promelas) $LC_{50}$ : 2400 mg/L 96 h (Pimephales promelas)	(Daphnia magna)

#### 12.2 Persistance and degradability

No information available.

### 12.3 Bioaccumulative potential

Chemical Name	log Pow
Glycerol	-1.76
Triethylene glycol monobutyl ether	0.51
	0.31

12.4 Mobility in soil	No information available.
12.5 Results of PBT and vPvB assessment	This product contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This product contains no substance considered to be very persistent nor very bioaccumulating (vPvB).
12.6 Other adverse effects	No information available.

### SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with Federal, State, and local regulations.

### **SECTION 14: Transport information**

Not classified according to the United Nations "Recommendations on the Transport of Dangerous Goods"

14.1 UN Number	None
14.2 UN proper shipping name	None
14.3 Transport hazard class(es)	None
14.4 Packing Group	None
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code	Not applicable
Not regulated under DOT, IMDG, IATA	

Not regulated under DOT, IMDG, IATA.



Product name: LC11Y, LC16Y, LC38Y, LC39Y, LC60Y, LC61Y, LC67Y, LC975Y, LC980Y, LC985Y, LC990Y, LC1100Y, LC65HYY, LC67HYY, LC990HYY, LC1100HYY Ink

Issuing Date: 26-December-2007 Revision Date: 1-April -2015 Version: 11 SDS No: BHY018-01-EUUSOTHER

# **SECTION 15: Regulatory information**

<b>EU:</b> Not classified as dangerous for supply/use. (1999/45/EC) <b>USA:</b> All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules. <b>Canada:</b> WHMIS: Not applicable. (Manufactured article)
Canada: WHMIS: Not applicable. (Manufactured article)

15.2 Chemical Safety Assessment No.

### **SECTION 16: Other information**

Full text of R-phrases referred to under sections 2 and 3	R22 - Harmful if swallowed R41 - Risk of serious damage to eyes R38 - Irritating to skin R43 - May cause sensitization by skin contact R50 - Very toxic to aquatic organisms
Full text of H-Statements referred to under sections 2 and 3	H302 - Harmful if swallowed H315 - Causes skin irritation H318 - Causes serious eye damage H317 - May cause an allergic skin reaction H400 - Very toxic to aquatic life
Additional information	The information relates only to this product. It may not be valid, if used in combination with any other materials or in any other process, and it is based on our best knowledge as of the date of preparation (revision).
Revision Note	SECTION 2, 3.
References:	U.S. 29CFR Part 1910 ACGIH Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices IARC Monographs on the Evaluation Carcinogenic Risks to Humans World Health Organization EU Directive 91/322/EEC and 2000/39/EC NTP 11th Report on Carcinogens
Abbreviations:	ACGIH: American Conference of Governmental Industrial Hygienists DOT: Department Of Transportation (US) IARC: International Agency for Research on Cancer IATA: International Air Transport Association IMDG: International Maritime Dangerous Goods NOHSC: National Occupational Health and Safety Commission (Australia) NTP: National Toxicology Program (US) OSHA: Occupational Safety and Health Administration (US) PEL: Permissible Exposure Limit STEL: Short Term Exposure Limit TLV: Threshold Limit Value (ACGIH) TSCA: Toxic Substances Control Act (US) TWA: Time Weighted Average WHMIS: Workplace Hazardous Material Information System (Canada)