

# Material Safety Data Sheet - Lyson Ink

SolventJET II Manual

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION, REVISION NUMBER AND DATE

Product Name : RJ-IG (LOD) INKS ( BLACK, CYAN, MAGENTA , YELLOW, LITE CYAN, LITE MAGENTA)

Product Code : J/RJIG(K,C,M,Y,DC,DM)/\*\*\*/\*\*

Revision No : D

Date : 06/01

## 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS (nI - not listed in CHIP)

Chemical Name	%	CAS Number	TSCA Listed	EEC No	Hazard Symbol	Risk Phrases
2-Butoxyethyl Acetate	25 - 55	112-07-2	4	203-935-3	St Andrews Cross	R20/21
Lactic Acid Propyl Ester	20 - 50	616-09-1	4	210-464-8	St Andrews Cross	R41
Acetic Acid n-Hexyl Ester	< 30	142-92-7	4	205-572-7	None req'd	R10

R10 = Flammable; R20/21 = Harmful by inhalation and in contact with the skin; R41 = Risk of serious damage to eyes.  
The remaining ingredients, including the dye, do not present a health hazard within the meaning of the EC/CHIP2 regulations.

## 3. HAZARDOUS IDENTIFICATION

Classification (CHIP) : Harmful and Irritant

Main Health Hazards : Risk of serious damage to eyes, irritating to eyes and skin

Not expected to present any hazards to health under normal conditions of expected use.

## 4. FIRST AID

Inhalation : Remove casualty to fresh air.

Skin Contact : Wash from skin using soap and water.

Eye Contact : Flush thoroughly with water. If soreness or redness persists, seek medical attention.

Ingestion : DO NOT induce vomiting, encourage casualty to drink water. Seek medical advice.

## 5. FIRE FIGHTING MEASURES

Flammability : Product is not classed as flammable.

Combustion products : Oxides of Carbon.

Extinguishing media : In the event of a fire use CO<sub>2</sub>, Foam, Dry Powder, or Vapourising Liquid.

Do not use :

## 6. ACCIDENTAL RELEASE MEASURE

Mop or soak up spillage s in absorbent material, Dispose of in accordance with Local Authority Regulations.

## 7. HANDLING AND STORAGE

Handling : Avoid prolonged skin contact. Wear gloves and safety glasses if splashing is likely.

Fire Prevention : Avoid heat and sources of ignition

Storage : Normal cool warehouse conditions. Keep in closed container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection : Keep work area well ventilated.

Eye and Skin protection : Wear safety glasses and gloves if splashing is likely.

### OCCUPATIONAL EXPOSURE LIMITS :

Substance listed  
in EH40/--Long term (8 Hrs)  
ppm mg/m<sup>3</sup>Short term (10 min)  
ppm mg/m<sup>3</sup>2-Butoxyethyl Acetate  
Lactic Acid Propyl Ester  
Acetic Acid n-Hexyl EsterNot assigned by HSE (1) or ACGIH (2)  
Not assigned by HSE (1) or ACGIH (2)  
no OSHA PELs listed for this chemical.

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**9. PHYSICAL AND CHEMICAL PROPERTIES** (n.d.a = No data available)

Form : Coloured liquid

Flashpoint : - 66°C

Vapour Pressure : ~0.7 mm Hg @ 20°C

Solubility in Water : Partially miscible in water

Autoignition Point : -350 °C

pH : n/a

Melting Point : - -40 °C

Vapour Density : &gt; 1.0 (Air = 1)

Density : Approx. 1.0

Explosive Limits: Lower - n.d.a.

Boiling Point: - 178 °C

**10. STABILITY AND REACTIVITY**

Chemical reactivity : Stable under normal conditions

Decomposition products : None known

Materials / conditions to avoid : None

**11. TOXICOLOGICAL INFORMATION**LD<sub>50</sub> : Acute / oral / rat : > 2500mg/kg**12. ECOLOGICAL INFORMATION**2-Butoxyethyl Acetate: Readily biodegradableLactic Acid Propyl Ester: Readily biodegradable; Bio-accumulation unlikely LC<sub>50</sub>/96h/Fish = 150mg/l; EC<sub>50</sub>/96h/A1gae = 1000mg/lAcetic Acid n-Hexyl Ester: Readily biodegradable; not classed as dangerous to the environment.**13. DISPOSAL CONSIDERATIONS**

Consult Local Authority for regulations regarding waste disposal

**14. TRANSPORT REGULATIONS**

Proper shipping name :

UN Number : Not applicable

IMDG code :

ICAO/IATA class : Not applicable

Marine pollutant :

Packing group : Not applicable

IMDG class : Not applicable

RID/ADR : Not applicable

Hazard warning sign :

**15. REGULATORY INFORMATION**CHIP labelling -  
Ester

Symbol :

Hazard : Harmful

Contains : Lactic Acid Propyl

Acetate

St Andrews Cross

Risk phrases: R20/21, 41

2-Butoxyethyl

Safety phrases : S23, 24/25

Other suggested labelling :

R20/21 = Harmful by inhalation and in contact with the skin; R41 = Risk of serious damage to eyes

S23 = Do not breath vapour; S24/25 = Avoid contact with skin and eyes

**16. OTHER INFORMATION**

This safety data sheet has been updated to comply with CHIP regulations. The information is based solely on the data provided by the suppliers of the materials used and/or recognised technical sources, not on the mixture itself and is believed to be correct as of this date. No warranty is expressed or implied regarding the accuracy of the data.

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