

EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)**OCCUPATIONAL EXPOSURE LIMITS :**

Substance listed in EH40/92	Long term (8Hrs)		Short term (10min)	
	ppm	mg/m ³	ppm	mg/m ³
Iso Propyl Alcohol	400	980	550	1225
Lactic Acid Ethyl Ester	Not assigned by HSE (1) or ACGIH (2)			

PHYSICAL AND CHEMICAL PROPERTIES

Form : Coloured liquid.	pH : Not applicable	Boiling Point : ~ 100°C
Flashpoint : ~ 12°C	Melting Point : ~ -85°C	
Vapour Pressure : 23.0 mm Hg @ 20°C	Vapour Density : 2.5 (Air=1)	
Solubility in Water : Soluble in water	Density : 0.87 gm/cm ³	
Autoignition Point : 410°C	Explosive Limits: Lower : 2.0 % Upper : 12 %	

STABILITY AND REACTIVITY

Chemical reactivity : None known.

Decomposition products : May form oxides of carbon in a fire.

Materials / conditions to avoid : Avoid all sources of heat and ignition.

TOXICOLOGICAL INFORMATION

Acute toxicity
LD50 : Acute / oral / rat : > 5000mg/kg

ECOLOGICAL INFORMATION

Readily biodegradable; No evidence of Bioaccumulation or tainting of seafood

Iso Propyl Alcohol: EC50/24h/Daphnia = > 1000mg/l LC50/96h/Fathead minnow = 9600mg/l

Lactic Acid Ethyl Ester: EC50/48h/Daphnia = 683mg/l LC50/48h/Fish = 320mg/l EC50/Algae = 2200mg/l

DISPOSAL CONSIDERATIONS

Consult local authorities for approved method of disposal.

TRANSPORT REGULATIONS

Proper shipping name : Printing Ink Flammable	Packing group : II
UN Number : UN1210	IMDG class : 3.2
IMDG code :	RID/ADR : ADR Item 5(b)
ICAO/IATA class : 3	Hazard warning sign : Highly flammable
Marine Pollutant :	

REGULATORY INFORMATION

<u>CHIP labelling</u> -	<u>Symbol</u> : Flame & St Andrews Cross	<u>Hazard</u> : Highly Flammable Risk Phrases : R11, R41 Safety phrases : S16, S25, S33	<u>Contains</u> : Isopropanol & Lactic Acid Ethyl Ester
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Other suggested labelling : R11 = Highly flammable; R41 = Risk of serious damage to eyes; S16 = Keep away from sources of ignition; S25 = Avoid contact with eyes; S33 = Take precautionary measures against static discharges

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.

Codent Ltd, Haigh Avenue, Whitehill Trading Estate, Reddish, Stockport, SK4 1NU.
Tel: 0161 429 6969 Fax: 0161 429 9339 Email: sales@codent.co.uk technical@codent.co.uk