

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

Substance listed in EH40/92	Long term (8Hrs)		Short term (10min)	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
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 <sup>3</sup>	
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

UN Number : UN1210

IMDG code :

ICAO/IATA class : 3

Marine Pollutant :

Packing group : II

IMDG class : 3.2

RID/ADR : ADR Item 5(b)

Hazard warning sign : Highly flammable

**REGULATORY INFORMATION**

CHIP labelling -

Symbol : Flame &

St Andrews Cross

Hazard :

Highly Flammable

Risk Phrases : R11, R41

Safety phrases : S16, S25, S33

Contains : Isopropanol &

Lactic Acid Ethyl Ester

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.

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