

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

Substance listed in EH40/92	Long term (8 Hrs)		Short term (10 min)	
	ppm	mg/m ³	ppm	mg/m ³
Lactic Acid Ethyl Ester/N-Propyl -S -Lactate	Not assigned by HSE (1) or ACGIH (2)			

PHYSICAL AND CHEMICAL PROPERTIES

Form : Coloured liquid	pH : n/a	Boiling Point: ~155°C
Flashpoint : 61°C	Melting Point : -3 °C	
Vapour Pressure : 1.65 mm Hg @ 20°C	Vapour Density : ~4.0 (Air = 1)	
Solubility in Water : Partially soluble in water	Density : Approx. 1.03	
Autoignition Point : 400 °C	Explosive Limits: Lower - 1.6% ; Upper - 10.6%	

STABILITY AND REACTIVITY

Chemical reactivity : None
 Decomposition products : None
 Materials / conditions to avoid : None

TOXICOLOGICAL INFORMATION

LD50 : Acute / oral / rat : > 3000mg/kg

ECOLOGICAL INFORMATION

Lactic Acid Ethyl Ester/N - Propyl -S- Lactate: Readily biodegradable; Bioaccumulation unlikely, hydrolyses in presence of water, acids, bases
 $EC_{50/48h/Daphnia} = 683mg/l$ $LC_{50/48h/Fish} = 320mg/l$ $EC_{50/Algae} = 2200mg/l$
 Metal Complex Dye: $LC_{50/96h/fish}(cyprinus Carpio) = 2mg/l$

DISPOSAL CONSIDERATIONS

Consult Local Authority for regulations regarding waste disposal

TRANSPORT REGULATIONS

Proper shipping name : Printing ink, flammable	Packing group : III
UN Number : UN1210	IMDG class : 3.2
IMDG code :	RID/ADR : ADR Item 5(b)
ICAO/IATA class : 3	Hazard warning sign : Flammable Liquid
Marine pollutant :	

REGULATORY INFORMATION

CHIP labelling -	Symbol : St.Andrews Cross	Hazard : Irritant Risk Phrases: R41 = Risk of serious damage to eyes	Contains : Lactic Acid Ethyl Ester/ N - Propyl -S- Lactate ISOPROPYL-S-LACTATE
Other suggested labelling : Avoid contact with eyes			

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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