

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

Substance listed in EIH40/92	Long term (8 Hrs)		Short term (10 min)	
	ppm	mg/m ³	ppm	mg/m ³
Lactic Acid Butyl Ester	5	25		

PHYSICAL AND CHEMICAL PROPERTIES

Form : Black coloured liquid	pH : n/a	Boiling point:- 188 Deg c
Flashpoint : 79 ° C	Melting Point : -15 °C	
Vapour Pressure : 0.4 mm bar @ 20 ° C	Vapour Density : 5.0 (Air = 1)	
Solubility in Water : Partially miscible in water	Density : Approx. 1.0	
Autoignition Point : 380 °C	Explosive Limits: Lower: 1.6% Upper: 10%	

STABILITY AND REACTIVITY

Chemical reactivity : Stable at normal conditions

Decomposition products : Carbon oxides

Materials / conditions to avoid : None

TOXICOLOGICAL INFORMATION

LD₅₀ (oral rat) : 5000mg/Kg

ECOLOGICAL INFORMATION

Lactic Acid Butyl Ester: Readily biodegradable

EC50/48h/Daphnia = 423mg/l

LC50/48h/Fish = 75mg/l

EC50/Algae = 0.93g/l

Metal Complex Dye: LC50/96h/Fish(cyprinus Carpio) = 2mg/l

DISPOSAL CONSIDERATIONS

Consult Local Authority for regulations regarding waste disposal

TRANSPORT REGULATIONS

Proper shipping name : Not applicable

Packing group : Not applicable

UN Number : Not applicable

IMDG class : Not applicable

IMDG code :

RID/ADR : ADR Item 5(b)

ICAO/IATA class : Not applicable

Hazard warning sign : St.Andrews Cross

REGULATORY INFORMATION

CHIP labelling -

Symbol :
St.Andrews Cross

Hazard : Irritant
Risk Phrases: R41
Safety Phrase: S25

Contains : Lactic Acid Butyl Ester

Other suggested labelling : R41 = Risk of serious damage to eyes S25 = 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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