

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 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: Readily biodegradable; Bioaccumulation unlikely, hydrolyses in presence of water, acids, bases

EC₅₀/48h/Daphnia = 683mg/l LC₅₀/48h/Fish = 320mg/l EC₅₀/Algae = 2200mg/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 : Printing ink, flammable | Packing group : III |
| UN Number : UN1210 | IMDG class : 3.2 |
| IMDG code : | RII/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 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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