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## Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

Product Name Imperial Black

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended uses Printing operations

### 1.3 Details of the supplier of the safety data sheet

#16-20 Wertheim Crt. Richmond Hill,  
ON L4B 3A8

Telephone: +1 905 482 3106  
Fax: 905 482 3107

## Section 2. HAZARDS IDENTIFICATION

### 2.1 Classification of substance or mixture

Classification (CHIP): Irritant

Main Health Hazard: Risk of serious damage to eyes  
Not expected to present any hazards to health under normal conditions of expected use.

## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

Component/ Chemical Name	%	CAS-No	TSCA Listed	EEC No	Hazard Symbol	Risk Phrases
Lactic Acid Butyl Ester	35-55	34451-19-9	√	252-036-3	St. Andrew Cross	R38, 41
2-(2-Butoxyethoxy) Ethanol	< 30	112-34-5	√	203-961-6	St. Andrew Cross	R36
Propanol	<15	-	√	-	N	R51/53

R36/38 = Irritating to the eyes and skin

R41 = Risk of serious damage to eyes

R51/53 = Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

The remaining ingredients do not present a health within the meaning of the EC/CHIP regulations.



Substance listed in EH40/--	Long term (8 Hrs)		Short term	
	ppm	mg/m <sup>3</sup>	Ppm	mg/m <sup>3</sup>
Lactic Acid Butyl Ester	5	30		
2-(2-Butoxyethoxy) Ethanol	Not assigned by HSE (1) or ACGIH (2)			

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Important health, safety, and environmental information

<b>Physical State</b>	Colored Liquid	<b>Color</b>	No information available
<b>Appearance</b>	yellow	<b>Odor Threshold</b>	No information available
<b>Odor</b>	Characteristic		

Property	Values	Remarks * Method
<b>pH</b>	No information available	
<b>Melting point/freezing point</b>	~ - 39 °C	
<b>Boiling point/Boiling Range</b>	~ 200 °C	
<b>Flash Point</b>	Approximately ~ 83°C	Seta Closed Cup
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid. Gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit</b>	No information available	
<b>Lower flammability limit</b>	No information available	
<b>Vapor Pressure</b>	~ 0.14 mm HG @ 20°C	
<b>Vapor Density</b>	>1.0 (Air = 1)	
<b>Density</b>	1.0	
<b>Specific Gravity</b>	No information available	
<b>Water Solubility</b>	Partially Soluble in Water	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient:n-octanol/water</b>	No information available	
<b>Autoignition Temperature</b>	~ 340°C	
<b>Decomposition Temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

## Section 10. STABILITY AND REACTIVITY

### 10.1 Chemical Reactivity

No known

### 10.2 Decomposition products

None

### 10.7 Materials/conditions to avoid

None

## Section 11. TOXICOLOGY INFORMATION

LD50: Acute/Oral (Rat) >5000mg/kg

## Section 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

Component or Chemical Name

Lactic Acid Butyl Ester	Readily biodegradable; Bio-accumulation unlikely, hydrolyses in presence of water, acids, bases EC50/48h/Daphnia = 423mg/L LC50/48h/Fish = 75mg/L EC50/Algae = 0.93g/L
2-(2-Butoxyethoxy) Erhanol Metal Complex Dye	LC50/48h/Leuciscus idus = 1805 – 2304mg/L LC50/96h/Cyrinus carpio = ~ 2mg/L

### Section 13. DISPOSAL CONSIDERATIONS

Consult Local Authority for regulations regarding waste disposal

### Section 14. TRANSPORT CONSIDERATIONS

<b>UN-No</b>	Not applicable
<b>Proper shipping name</b>	Not applicable
<b>IMDG code</b>	Not applicable
<b>ICAO/IATA class</b>	Not applicable
<b>Marine pollutant</b>	
<b>Packing Group</b>	Not applicable
<b>RID/ADR</b>	Not applicable
<b>IMDG class</b>	Not applicable
<b>Hazard warning sign</b>	Not applicable

### Section 15. REGULATORY INFORMATION

#### CHIP labelling



Symbol:  
St. Andrews Cross

Hazard: Irritant  
Risk Phrases: R38,  
41  
Safety Phrases:  
S24/25

Contains: Lactic  
Acid Butyl ester &  
2-(2-Butoxyethoxy)  
Ethanol

#### Other suggested labelling

R38 = Irritating to the skin; R41 = Risk of serious damage to the eyes;  
S24/25 = Avoid contact with skin and eyes

### Section 16. OTHER INFORMATION

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#### Disclaimer

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**End of Safety Date Sheet**

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