

1) Identification of the product

a) Flint Hire & Supply Ltd product names and codes

Flints Concentrated Liquid Pigment:

White	Code CLP001
Black	Code CLP003
Lemon	Code CLP005
Buttercup	Code CLP007
Orange	Code CLP009
Scarlet	Code CLP011
Red	Code CLP013
Violet	Code CLP015
Royal	Code CLP017
Turquoise	Code CLP019
Emerald	Code CLP021
Chestnut	Code CLP023

b) Manufactures Product Names

Helizarin liquid pigment

SUPPLIER

Flint Hire & Supply
Queens Row
London SE17 2PX
Phone: 020 7703 9786
Fax: 020 7703 0616

MANUFACTURER

BASF PLC
PO Box 4, Earl Road,
Cheadle Hulme
Cheshire SK8 6QG
Phone: 0161 485 6222
Emergency phone number: +44 (0) 161 485 6222 (24 hour)

2) Composition

Chemical nature

Insoluble non-toxic pigment in water

3) Physical and chemical properties

Form:	liquid		
Colour:			
Odour:	product specific		
Boiling point/boiling range:	approx. 100°C		
Solidification temperature:	<-10°C		
Flash point:	>100°C	(DIN 51758)	
Explosion hazard:	no explosion hazard		
Density:	(20°C)	1.13 g/cm ³	
Solubility in water:	aqueous dispersion		
PH value:	(at – g/l, 20°C)	8-9	undiluted

4) Fire fighting measures

Suitable extinguishing media:
Water spray, dry extinguishing media, foam, carbon dioxide (CO₂)

Further information:
Contaminated extinguishing water must be disposed of in accordance with local regulations.

5) First aid measures

General advice:	Remove contaminated clothing.
On skin contact:	Wash with soap and water.
On contact with eyes:	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
On ingestion:	Rinse mouth and then drink plenty of water.
Note to physician:	Treat according to symptoms (decontamination, vital functions), no known specific antidote.

6) Stability and reactivity

Hazardous reactions:
None provided product is correctly processed.

Hazardous decomposition products:
None provided product is correctly processed.

7) Toxicological information

Acute toxicity

LD50/oral/rat: >5000 mg/kg

Primary skin irritation/rabbit/BASF test: non-irritant

Primary mucous membrane irritation/rabbits' eyes/BASF test: non irritant

8) Ecological information

Elimination information

Test method:	Static test
Method of analysis:	Photometry
Degree of elimination:	90-100%

The product is not very soluble in water and can thus be virtually removed from water mechanically in suitable effluent treatment plants.

The solvents are biodegradable.

Behaviour and environmental fate

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Ecotoxic effects

The statements are based on the properties of the individual components.

Toxicity to bacteria: IC50: >100mg/l (modified waste test)

Toxicity to fish: EC/LC50 (96h): 100mg/l, *Leuciscus idus*

Further ecological information

COD-Value: 915 mg O₂/g

AOX: This product contains approx. 3.6% organically bound halogen as a component of the colourant (calculated as C1).

This product contains approx. 0.1% copper incorporated in the complex, as a component of the colourant.

Will not pollute the effluent provided it is processed correctly.

9) Handling and storage

Handling

No special measures necessary.

Protection against fire and explosion:

No special measures necessary.

Storage

Keep tightly sealed. Store cool.

Protect against temperatures of below 0°C and above 60°C.

10) Exposure standards/Personal protection

Additional information on the lay-out of technical plant

(See section 9)

Personal protective equipment

Hand protection: Protective gloves

Eyes protection: Goggles

General safety and hygiene measures:

The usual precautions for the handling of chemicals must be observed.

11) Accidental release measures/spillage

Personal precautions: No special measures necessary

Environmental precautions: Do not discharge product into natural waters without pre-treatment (biological treatment plant).

Methods for cleaning up: Pick up with suitable appliance and dispose of.

12) Disposal

Must be dumped or incinerated in accordance with local regulations.

Proposal according to the European Waste Catalogue (EWC) for waste from: textile industry, dyes and pigments:

EWC-no.: 040213

The waste codes quoted are recommendations on the basis of the use if disposal conditions during use, other waste codes too may be allocated under certain circumstances. Please therefore contact the manufacturer direct if disposal problems occur as a result of the allocation given.

Contaminated packaging:

Uncontaminated packs can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

13) Transport information

Not classified as hazardous under transport regulations.

14) Regulatory information

Labelling based on our own experience

Not subject to labelling

National legislation/regulations

15) Hazard identification

Critical hazards to man and the environment: Not necessary

16) Other information

A backslash in the left hand margin indicates an amendment from the previous version.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our product must take responsibility for observing existing laws and regulations.

Information on intended use:



Health and Safety Data Sheet

Flints Concentrated Liquid Pigment

This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes pre-treatment, tanning, dyeing or finishing of textiles and leather.

Any other intended applications should be discussed with the manufacturer concerned.

In particular this concerns the application for products that are the object of special standards and regulations.