MATERIAL SAFETY DATA SHEET

According to 91.155 EEC

Issue date: 23.9.2006
Product: FLINTS SAFE WATER BASED DYES

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY NAME

Product Trade Name	FLINTS SAFE WATER BASED DYES
Company	FLINT HIRE & SUPPLY LTD QUEENS ROW LONDON SE17 2PX
Phone Number	020 7703 9786
Fax Number	020 7708 4189

2. COMPOSITION / INFORMATION ON INGREDIENTS

Product Description	:	Preparations containing disazo direct dyes (36 colours from yellow to black)
Hazardous Ingredient(s)	:	Contains no Hazardous Ingredients (91/155/EEC)
CAS No.	:	-
% (w/w)	:	-
Symbol	:	-
R Phrases	:	-

3. HAZARDS IDENTIFICATION

This health hazard assessment is based on a consideration of the composition of this product. May cause eye irritation.

4. FIRST AID MEASURES

Inhalation	:	Remove patient from exposure, Obtain medical attention if ill effects occur.
Skin contact	:	Remove contaminated clothing. Wash skin with water. If symptoms develop, obtain medical attention.
Eye contact	:	Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.
Ingestion	:	Wash out mouth with water and give 200-300ml (half a pint) of water to drink. Do not induce vomiting. Obtain medical attention if ill effects occur.

Issue date: 23.9.2006
Product: FLINTS SAFE WATER BASED DYES

5. FIRE FIGHTING MEASURES

Special Hazards		The material may form flammable dust clouds in air. If involved in a fire, it may emit noxious and toxic fumes.
Extinguishing Media	:	Water spray, foam, dry powder or C02.
Protective Equipment	:	A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear suitable protective clothing and gloves.
Environmental precautions	:	Comply with local regulations for container disposal. Notify authorities if product enters sewers or public waters.
After spillage/leakage	:	Sweep or shovel spills into appropriate container for disposal.

7. HANDLING & STORAGE

Safe handling advice	:	Control dust formation. Avoid contact with skin and eyes. Do not breath dust. Take precautionary measures against static discharges.
Storage	:	Keep container tightly closed.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure standards	:	No Occupational Exposure Limit Assigned.
Technical measures		Where suitable engineering controls are not fitted or are inadequate, wear suitable protective equipment.
Personal Protection	:	Respiratory protection : Yes Eye protection: Yes Hand Protection : Yes

Issue date: 23.9.2006
Product: FLINTS SAFE WATER BASED DYES

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	: De-dusted powders	
Colour	: Described by the name of the 27 individual products	
	Examples:	Colour
	Dyrect Lemon Yellow 4GD	Lemon Yellow
	Dyrect Mid Brown G	Mid Brown
	Dyrect Lime Green 2G	Lime Green
	Dyrect Intense Black GR	Intense Black

Odour	Odourless
pH (Value)	9 approx. at lg/l at 20°C
Boiling Point (°C)	Not applicable
Melting Point (°C)	No data
Flash Point (°C)	Not applicable
Flammable Limits	Not applicable
Auto Ignition Temperature (°C)	No data
Explosive Properties	None known
Oxidising Properties	None known
Vapour Pressure (mm Hg)	Not applicable
Density (g/ml)	No data
Solubility (water)	Soluble
Solubility (other)	No data
Partition Coefficient	No data

10. STABILITY AND REACTIVITY

Conditions to avoid	Heat
Substances to avoid	Moisture
Hazardous Reactions	Non known.

11. TOXICOLOGICAL INFORMATION

Inhalation	Avoid inhalation, wear dust mask (EN149)
Skin Contact	Unlikely to cause skin irritation.
Eye Contact	May cause eye irritation.
Ingestion	Unlikely to be hazardous if swallowed.
Long term exposure	No adverse effect in man reported.

12. ECOLOGICAL INFORMATION

This environment hazard assessment is based on information available on the components of the formulation.

Environmental Fate and Distribution :	Soluble in water.
Persistence and Degradation	Colour removal (activated sludge test) <10% COD approx. 0.7g O2/g BOD (5 days) approx. 02/g
Toxicity	LC50 (rainbow trout)(96 hours) >100 mg/1 Low toxicity to fish. WGK 1 (self classification)
Effect on Effluent Treatment :	Tests show that the inhibition of aerobic or anaerobic waste water bacteria is unlikely.

13. DISPOSAL CONSIDERATIONS:

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport.

15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use.

16. OTHER INFORMATION

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.

The date given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any guarantee with regard to the product's properties.