

SAFETY DATA SHEET – FLINTS WATER BASED DYE MID GREEN

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

1.1. Product identifier:

Product Name / Code: Flints Water Based Dye Red, DPPD12

REACH Key Notes: -

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

Textile Dye

1.3. Details of the supplier of the safety data sheet:

Company: Flints Theatrical Chandlers Ltd
Unit 9 Deptford Trading Estate
Blackhorse Road
SE8 5HY

Telephone: +44 (0) 20 7703 9786

Email: sales@flints.co.uk

Telephone operated from 08:30 - 17:30 Monday to Friday, 09:00 - 14:00 Saturday.
In an emergency, seek advice from a medical professional.

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

According to regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures

Causes serious eye irritation.

Harmful to Aquatic Life with long lasting effects.

Classification of the substance or mixture.

Eye Irritant (Category 2A): H319

Respiratory Sensitization (Category 1): H334

Skin Sensitization (Category 1): H317

2.2. Label elements



Hazard pictograms:

Signal word: Danger

Hazard statements:

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statement (prevention): P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P272 Contaminated clothing should not be allowed out of the work place.

P280 Wear protective gloves/eye protection/face protection.

P285 In case of inadequate ventilation wear respiratory protection

Precautionary statement(Response): P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P341 IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If irritation or rashes occur seek medical attention.

P342+P311 If eye irritation persist seek medical attention. P342+P311: If experiencing respiratory symptoms, call a Poison centre or doctor/physician.

P363 Wash contaminated clothes before re-use.

Precautionary statement(Storage):

Precautionary statement(Disposal): P501 Dispose of contents/containers to waste treatment in accordance with national regulations.

2.3. Other Hazards

If applicable in this section are given hazards which are not part of the overall classification but can contribute to the hazards which may be associated with the substance or mixture.

Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical characterization

Reactive dyestuff mixture, dust free preparation.

Hazardous Ingredients (GHS) according Regulations (EC) 1271/2008

HAZARDOUS SUBSTANCE	% PRESENT	EC Number	CAS	CLASSIFICATION
Scarlet Red MX-3G				Eye Irrit. 2A H334 Resp. Sens. 1 H319 H334

4. FIRST AID MEASURES

4.1. Description of first aid measures:

General information:	Take off immediately all contaminated clothing.
Ingestion:	If the product is swallowed, the patient must at once drink plenty of water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.
Inhalation:	Upon in inhalation of aerosol/vapour/dust take the patient into fresh air. If there is difficulty in breathing seek medical advice.
Eye contact:	Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor or eye specialist should be consulted.
Skin contact:	Cleansing with plenty of water, soap or other non-irritating cleansing agent.

4.2. Most important symptoms and effects, both acute and delayed.

Please see hazard statement in section 2.2 if given and information in this section if stated.

4.3. Indication of any immediate medical attention and special treatment needed

Please see hazard statement in section 2.2

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water spray, foam, dry powder.

Extinguishing media that must not be used for safety reasons:

Carbon Dioxide.

5.2. Special hazards arising from the substance or mixture

None determined.

5.3. Advice for firefighters: Special protective equipment for firefighting: Firemen must wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid formation and disposition of dust.

6.2. Environmental precautions

Environmental precautions: Do not empty into drains or waters.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning or take up: Take up spilled product with dust-binding materials or suitable vacuum cleaner. Place into labelled, sealable containers.

6.4. Reference to other sections

Additional information: For further disposal measures see chapter 13.

7. HANDLING AND STORAGE

7.1. HANDLING

Advice on safe handling: Avoid formation and disposition of dust.

Keep container tightly closed and dry.

Advice on protection against fire and explosion:

Observe the usual precautionary measures required for chemicals with dust explosive properties. Observe national regulations.

7.2. Conditions for safe storage, including any incompatibilities:

Requirements for storage rooms and vessels:

Store in original containers in a cool, dry place.

In filling operations take precautionary measures against static discharge.

Storage stability: Storage period: 12 months

7.3. Specific end uses

Not determined.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Specific end uses:

Ingredients with occupational exposure limits to be monitored:

Not applicable

8.2. Exposure controls

General protective measures: Do not breathe dust.

Avoid contact with skin.

Take off immediately contaminated clothing.

Inhalation of dust and aerosols must be prevented by either adequate ventilation or by suitable mask.

People with chronic respiratory problems should not work with reactive dyestuff powders.

If symptoms such as tightness in the chest or asthma occur while handling reactive dyestuff powders, then a physician should be consulted as soon as possible.

If hypersensitivity is confirmed, all contact with reactive dyestuff powders must cease immediately.

Hygiene measures:

Keep away from food and drink.

Do not eat, drink or smoke at work.

Wash hands before

Break and at end of work and use skin protecting ointments.

Respiratory protection:

Dust mask with particle filter.

Hand protection

Wear suitable gloves e.g. PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Eye protection

Safety glasses with side protection shield.

Skin protection

Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:	Powder
Colour:	Red
pH:	6-7 (10gm.p.l)
Odour:	Odourless.
Melting point:	>260 C
Boiling point:	Not determined
Flash point:	Not applicable
Ignition temperature:	Not determined
Flammability:	Not determined
Lower explosion limit:	Not determined
Upper explosion limit:	Not determined
Vapour pressure:	Not determined

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Density:	Not determined
Solubility in water:	>30 gm.p.l (100C)
Viscosity(dynamic):	Not determined
Viscosity(kinematic):	Not determined
Viscosity(flow time):	Not determined
9.2. Other information	
Combustion number	Not determined
Dust explosion class	Not determined
Bulk density	600-800 kg/m3
Further information (phys-chem)	Not necessary

10. STABILITY AND REACTIVITY**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

Thermal decomposition: > 180 C No thermal decomposition when stored and handled correctly.

10.3. Possibility of hazardous reactions

In the case of dusty organic products the possibility of a dust explosion should always be considered.

10.4. Conditions to avoid

For avoidable conditions: Not necessary.

10.5. Incompatible materials

For avoidable materials: Not necessary.

10.6. Hazardous decomposition products

Not applicable

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Acute oral toxicity: LD50 > 2,000mg.kg (rat)

Acute inhalation toxicity: Not determined.

Acute dermal toxicity: LD50 > 2000mg/kg (rat)

Irritant effect on eyes: Irritant

Irritant effect on skin: Non-irritant

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Sensitization:	This dye belongs to the class - reactive dyes. A sensitizing effect on the respiratory tract has been noted with some representatives of this substance class. No reports of ill effects. Provided product was correctly handled and processed.
Repeat dose toxicity:	Not determined.
Mutagenicity:	No indication of mutagenic effects.
Teratogenicity:	Not necessary.
Carcinogenicity:	Not determined
Remarks:	High dust concentrations may result in irritation of the mucous membranes (eyes or respiratory tract) repeated exposure to high dust concentrations of some dyestuff powders containing reactive dyestuff has very sporadically caused respiratory hypersensitivity.

12. ECOLOGICAL INFORMATION**12.1. Toxicity**

Fish toxicity:	LC50 >100 mg/l (48 h, Leuciscus Idus)
Daphnia toxicity:	Not determined.
Algae toxicity:	Not determined
Bacteria toxicity:	Not determined.

12.2. Persistence and degradability

Physio-chemical eliminability:	Not determined.
Biodegradability:	Not determined.

Behaviour in environmental compartments:

Not determined.

Dissolved Organic Carbon (DOC):	Not determined.
Chemical Oxygen Demand (COD):	Not determined
Biochemical Oxygen Demand (BOD5):	Not determined.

Remarks:	Product does not add to the AOX value of the sewage (DIN EN 1485)
	Product does not contain heavy metals of a level of concern to waste water.

12.3. Bioaccumulative potential

Not determined.

12.4. Mobility in soil

Not determined.

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12.5. Results of pbt and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined

13. DISPOSAL INFORMATION**13.1. Waste treatment method****Product:**

If utilisation or recycling of the product is not possible, it should be disposed of according to the local Regulations and laws, e.g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040217 Dyestuffs and pigments other than those mentioned in 040216.

Unclean packaging: Soiled, empty containers are to be treated in the same way as the contents

14. TRANSPORT INFORMATION**Transport class**

Classified as non-dangerous goods for transport.

14.1. UN number

See above entry at the respective regulation.

14.2. Proper shipping name

See above entry at the respective regulation.

14.3. Transport hazard class(es):

See above entry at the respective regulation.

14.4. Packing group

See above entry at the respective regulation.

14.5. Environmental hazards

See above entry at the respective regulation.

14.6. Special precautions for user

Protect from wetness.

Keep separate from foodstuffs

14.7. Transport in bulk according to Amex 11 of MARPOL 73/78 and the IBC code:

No transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code foreseen for this substance or mixture.

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Specific regulations**

No labelling is required in accordance with EEC directives.

15.2. Chemical safety assessment:

Not determined

16. OTHER INFORMATION

Text of all short cuts referred to in sections 2 and 3:

Eye Irrit.

Eye irritant.

H317

May cause an allergic skin reaction.

H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Resp. Sens. 1B	Respiratory or skin sensitisation: Respiratory Sensitisation Cat. 1B

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal requirements. The information contained herein is accurate to the best of our knowledge and belief and is intended to describe our products from a point of view of health and safety requirements. It should not, therefore, be construed as guaranteeing specific properties. This company shall not be held liable for any damage resulting from handling or from contact with the above product.