

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 Mid Green, DPPD28

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.

Serious eye damage/eye irritation. Irritating to eyes Cat. 2

Harmful to the Aquatic environment: Chronic category 3

2.2. Label elements



Hazard pictograms:

Signal word: Warning

Hazard statements: H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statement (prevention): P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye and face protection.

Precautionary statement(Response): P305+P351+P338

If in Eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do, continue rinsing.

P337+P313 If eye irritation persists, Get medical advice/treatment.

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

Hazardous Ingredients (GHS) according Regulation (EC 1272/2008)

HAZARDOUS SUBSTANCE	% PRESENT	EC Number	CAS	CLASSIFICATION
Direct Orange 34	60-80	256-783-6	68959-00-2	Aquatic Chronic 3 - H412 Eye Irritant 2 - H319
Sodium Carbonate EC index no: 011-005-00-2	1-8	207-838-8	497-19-8	Eye Irritant 2 - H319

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.

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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: 60 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.

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: Greenish

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pH:	9-10 (10gm.p.l)
Odour:	Odourless.
Melting point:	Not determined
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
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	BZ3 Local combustion without spreading
Dust explosion class	Not determined
Bulk density	640-810 kg/m ³
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: approx. 160 C

Method:

DTA at a heating rate of 3 C/min in a glass ampoule.

10.3. Possibility of hazardous reactions

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

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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: Not determined.

Irritant effect on eyes: Non-Irritant (rabbit)

Irritant effect on skin: Non-irritant (rabbit)

Sensitization: Not determined.

Repeat dose toxicity: Not determined.

Mutagenicity: Not determined.

Teratogenicity: Not necessary.

Carcinogenicity: Not Necessary.

Remarks: Test results of an analogous product.

12. ECOLOGICAL INFORMATION**12.1. Toxicity**

Fish toxicity: >1.000 mg/l (48h, Poecilia reticulata)

Daphnia toxicity: EC50 10-100mg/l (48h, Daphnia magna)

Algae toxicity: Not determined

Bacteria toxicity: 1.000 mg/l(Pseudomonas fluorescense)

No inhibitory effects, Test method: Growth inhibition modified according to G.Bringmann, Gesundheitsingenieur 94.366-369 (1973)

12.2. Persistence and degradability

Physio-chemical eliminability: Not determined.

Biodegradability: <10% Method: (BOD:COD) x100

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: Test results of a similarly composed product.

Product does not add to the AOX value of the sewage.

Does not contain heavy metals in concentrations of concern for waste water.

Does not release nitrogen which can contribute to eutrophication.

The product contains 1.5% phosphorus as phosphate.

12.3. Bioaccumulative potential

Not determined.

12.4. Mobility in soil

Not determined.

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.

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14.5. Environmental hazards See above entry at the respective regulation.

14.6. Special precautions for user Irritating to eyes.

Avoid heat above +40 C.

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:

H319 Causes severe eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Aquatic Chronic 3 Hazardous to the aquatic environment: Chronic category 3

Eye Irritant 2 Serious eye damage/eye irritation: Irritating to eyes category 2

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.