

SAFETY DATA SHEET

DYPRO 3D BLACK

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Compilation date: 10/10/2019

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Revision No 1.0

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: DYPRO 3D BLACK
Product code: 01
Product form: MIXTURE
Product group: FINISHED PRODUCT

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

Use of substance / mixture: INDUSTRIAL. 3D PRINTING INDUSTRY. FOR PROFESSIONAL USE ONLY.

1.3. Details of the supplier of the safety data sheet

Company name: PROFESSIONAL FABRIC DYES LIMITED
1 Murrells Walk
Great Bookham
Surrey
KT23 3LP
UK
Tel: +44 (0) 1372 456861
Email: bob@professionalfabricdyes.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0)1226 397954

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: H319: Serious eye damage/eye irritation, Category 2

Most important adverse effects: H319

2.2. Label elements

Label elements:
Hazard statements: H319 - Causes serious eye irritation.

Signal words: Warning

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Hazard pictograms:



GHS07

Precautionary statements: P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
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/attention.

2.3. Other hazards

No additional information available.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

C.I. Disperse Orange 80

EC	CAS	PBT / WEL	CLP Classification	Percent
274-407-9	70210-10-5	-	Accute Tox. 4 (Oral), H302	>=2.5 - <10

C.I. Disperse Blue 148

257-779-7	2239-04-0	-	Eye Irrit. 2, H319	>=2.5 - <10
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C.I. Disperse Blue E595

286-875-1	85392-17-2	-	Eye Irrit. 2, H319	>=2.5 - <10
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Non-classified ingredients:

EINECS	CAS	CHIP Classification	CLP Classification	Percent
		-	-	

Section 4: First aid measures

4.1. Description of first aid measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Skin contact: Wash skin with plenty of water. Wash contaminated clothing before reuse. If skin irritation occurs get medical advice/attention.

Eye contact: Rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do so. Continue rinsing.

Ingestion: Do NOT induce vomiting. If you feel unwell, seek medical advice.

Inhalation: Remove casualty to fresh air and keep comfortable for breathing. Call poison centre or doctor if they feel unwell.

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

Skin contact: Under normal conditions of use, no adverse effects to health have been observed. May cause irritation to skin.

Eye contact: Causes serious eye irritation.

Ingestion: Ingestion may cause nausea and vomiting.

Inhalation: Under normal conditions of use, no adverse effects to health have been observed. May cause respiratory irritation.

[cont...]

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

Immediate / special treatment: Treat symptomatically.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Do not use waterjet.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In case of fire and/or explosion do not breathe fumes. Decomposition products may be a hazard to health. Hazardous vapours may be released.

5.3. Advice for fire-fighters

Advice for fire-fighters: Evacuate area. Eliminate all ignition sources if safe to do so. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses. Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Ensure adequate ventilation. Eliminate every possible source of ignition. Evacuate area.

Personal precautions: Refer to section 8 of SDS for personal protection details.

Emergency procedures: Evacuate unnecessary personnel. Ventilate area.

6.2. Environmental precautions

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Collect spillage.
Sweep or shovel spills into appropriate container for disposal.

6.4. Reference to other sections

Reference to other sections: For further information refer to section 8: "Exposure controls/personal protection".

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Wash hands after handling. Wash contaminated clothing before reuse.

Additional hazards when processed: Ensure adequate ventilation. In case of inadequate ventilation wear respiratory protection.
Avoid raising dust.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed in a cool, well-ventilated place. Protect from moisture.

Incompatible products/materials: Strong acids. Strong bases. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

[cont...]

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8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-		---

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protective device with a particle filter (Filter type P1, P2, P3). Standard: EN 149
Protection for Liquid particles, Vapour protection.

Hand protection: Chemical resistant gloves. Butyl, nitrile, rubber, Latex, PVC, Neoprene gloves. Standard: EN ISO 374
Gloves must be replaced after each use and whenever signs of perforation appear.
Perforation: 6 (> 480 minutes).

Eye protection: Chemical goggles or safety glasses. For fine dust. With side shields. Standard: EN 166

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Solid

Appearance: Powder

Colour: Black

Odour: Characteristic odour

Flammability: Non-flammable

pH: ≈ 8 @ 20°C

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Direct sunlight.

10.5. Incompatible materials

Strong acids. Strong bases. Sources of ignition.

[cont...]

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10.6. Hazardous decomposition products

Haz. decomp. products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx).

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
LD50 oral rat				> 2000 mg/kg

Hazardous ingredients:

Not classified				
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Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Not classified pH: ≈ 8 @ 20°C
Respiratory/skin sensitisation	DRM	Not classified pH: ≈ 8 @ 20°C

Symptoms / routes of exposure

Skin contact: Based on available data, the classification criteria are not met.

Eye contact: Based on available data, the classification criteria are not met.

Ingestion: Based on available data, the classification criteria are not met.

Inhalation: Based on available data, the classification criteria are not met.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not classified. LC50 fish 1: > 100 mg/l

12.2. Persistence and degradability

Persistence and degradability: Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not established.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

PBT identification: No additional information available.

[cont...]

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12.6. Other adverse effects

Other adverse effects: Avoid release to the environment.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose packaging in a safe manner in accordance with local/national regulations.
Avoid release to the environment.

Section 14: Transport information

Transport class: Not applicable.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Contains no substances subject to restriction.

15.2. Chemical Safety Assessment

Chemical safety assessment: No chemical safety assessment has been carried out.

Section 16: Other information

Other information

Other information: Full text of H- and EUH-statements:
Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4
Eye Irrit. 2 Serious eye damage/eye irritation, Category 2
H302 Harmful if swallowed.
H319 Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.