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SAFETY DATA SHEET
PY FLUORESCENT ORANGE PIGMENT

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name PY FLUORESCENT ORANGE PIGMENT

Product number WS31702A

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

Identified uses COLOURING OF POLYESTER RESINS & GELCOATS.

1.3. Details of the supplier of the safety data sheet

Supplier WEST AND SENIOR LIMITED.
MILLTOWN STREET
RADCLIFFE
MANCHESTER. M26 1WE.
TEL + 44 01617247131
FAX + 44 01617249519
info@westsenior.co.uk

1.4. Emergency telephone number

Emergency telephone 24 HOUR EMERGENCY TELEPHONE NUMBER : +44 7379825059

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Aquatic Chronic 3 - H412

Environmental The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Hazard statements EUH208 Contains C.I. BASIC RED 1:1. May produce an allergic reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P273 Avoid release to the environment.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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TALC **1-5%**

CAS number: 14807-96-6 EC number: 238-877-9

Classification
Not Classified

Bis(2-ethylhexyl)maleate **1-5%**

CAS number: 142-16-5 EC number: 205-524-5

M factor (Chronic) = 1

Classification
STOT RE 2 - H373
Aquatic Chronic 1 - H410

C.I. BASIC RED 1:1 **<1%**

CAS number: 3068-39-1 EC number: 221-326-1

M factor (Acute) = 1 M factor (Chronic) = 1

Classification
Acute Tox. 4 - H302
Acute Tox. 2 - H330
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

2-Hydroxy-4-methoxybenzop henone/LOWILITE 20 **<1%**

CAS number: 131-57-7 EC number: 205-031-5

M factor (Acute) = 1

Classification
Aquatic Acute 1 - H400
Aquatic Chronic 2 - H411

formaldehyde **<1%**

CAS number: 50-00-0 EC number: 200-001-8

Classification
Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 3 - H331
Skin Corr. 1B - H314
Skin Sens. 1 - H317
Muta. 2 - H341
Carc. 1B - H350
STOT SE 3 - H335

The full text for all hazard statements is displayed in Section 16.

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Composition comments No other disclosure required under the latest EC Directives

SECTION 4: First aid measures

4.1. Description of first aid measures

General information No specific recommendations. If in doubt, get medical attention promptly.

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact Remove affected person from source of contamination. Get medical attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information Get medical attention if any discomfort continues.

Inhalation No specific symptoms known.

Ingestion No specific symptoms known.

Skin contact Avoid contact with skin.

Eye contact May cause irritation.

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire. Dry chemicals. Foam. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Fire or high temperatures create: Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid heat, flames and other sources of ignition. Provide adequate ventilation.

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6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Wear protective clothing and gloves. Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Avoid contact with oxidising agents.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

TALC

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³ respirable dust

formaldehyde

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m³
Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m³
WEL = Workplace Exposure Limit.

Ingredient comments Any relevant occupational exposure limits for ingredients are listed.

Bis(2-ethylhexyl)maleate (CAS: 142-16-5)

DNEL
Workers - Dermal; Long term systemic effects: 2.5 mg/kg, bw/day
Workers - Inhalation; Long term systemic effects: 7 mg/m³

PNEC
Fresh water; 0.001 mg/l
Intermittent release, Fresh water; 0.006 mg/l
marine water; 0.0001 mg/l
STP; 100 mg/l
Sediment (Freshwater); 15.95 mg/kg
Sediment (Marinewater); 1.595 mg/kg
Soil; 3.19 mg/kg
Secondary poisoning., Oral; 20 mg/kg

8.2. Exposure controls

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Protective equipment

Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid. or Coloured paste.
Colour	Various colours.
Odour	Aromatic.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	>65°C
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.

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Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No
Oxidising properties	Not available.
Comments	No information available.

9.2. Other information

Other information	No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time. Exposure to light.

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids. Strong Bases

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition may lead to formation of a multiplicity of compounds some of which may be hazardous. With incomplete combustion smoke and hazardous fumes and gases , including carbon monoxide, may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	Not classified.

Acute toxicity - oral

Notes (oral LD_{50})	Not relevant.

Acute toxicity - dermal

Notes (dermal LD_{50})	Not relevant.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Not relevant.
ATE inhalation (dusts/mists mg/l)	10.1

Acute and chronic health hazards	No specific health hazards known.

Toxicological information on ingredients.

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Bis(2-ethylhexyl)maleate

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} >2000 mg/kg, bw/day, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >14000 mg/kg, bw/day, Dermal, Rabbit

Skin corrosion/irritation

Skin corrosion/irritation	Not corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation	Not irritating.

Respiratory sensitisation

Respiratory sensitisation	Not sensitising.

Carcinogenicity

Carcinogenicity	No information available.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	No evidence of reproductive toxicity in animal studies.

C.I. BASIC RED 1:1

Acute toxicity - oral

ATE oral (mg/kg)	500.0

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)	0.05

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Ecological information on ingredients.

Bis(2-ethylhexyl)maleate

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: >100 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 59.5 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 0.619 mg/l, Algae
Acute toxicity - microorganisms	EC_{50}, 3 hours: >1000 mg/l, Activated sludge

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Chronic aquatic toxicity

M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.1 mg/l, Daphnia magna LOEC, 21 days: 0.3 mg/l, Daphnia magna

C.I. BASIC RED 1:1

Acute aquatic toxicity

LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Non-rapidly degradable
M factor (Chronic)	1

2-Hydroxy-4-methoxybenzop henone/LOWILITE 20

Acute aquatic toxicity

LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

Bis(2-ethylhexyl)maleate

Biodegradation	Water - Degradation 60-70%: 28 days

12.3. Bioaccumulative potential

Partition coefficient Not available.

Ecological information on ingredients.

Bis(2-ethylhexyl)maleate

Bioaccumulative potential	BCF: = 4073.8 L/kg,
Partition coefficient	log Pow: 7.24

12.4. Mobility in soil

Mobility No information available.

Ecological information on ingredients.

Bis(2-ethylhexyl)maleate

Mobility	Log Koc: 5.186 Koc: 153400

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No information available.

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Ecological information on ingredients.

Bis(2-ethylhexyl)maleate

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant.

SECTION 15: Regulatory information

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

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

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EU legislation Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Guidance A guide to local exhaust ventilation (LEV) HSG258 (as ammended)
Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 10/05/2023

Revision 7

Supersedes date 20/02/2023

Hazard statements in full
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains C.I. BASIC RED 1:1. May produce an allergic reaction.