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SAFETY DATA SHEET
PY PURE WHITE RAL9010 PIGMENT

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name PY PURE WHITE RAL9010 PIGMENT

Product number WS16244B

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 (0) 7930 595916

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Environmental The product is not expected to be hazardous to the environment.

2.2. Label elements

Hazard statements NC Not Classified

Supplemental label information EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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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TITANIUM DIOXIDE		**30-60%**
CAS number: 13463-67-7	EC number: 236-675-5	REACH registration number: 01-2119489379-17-0000
Classification Not Classified		

BARIUM SULPHATE		**5-10%**
CAS number: 7727-43-7	EC number: 231-784-4	REACH registration number: 01-2119491274-35-0001
Classification Not Classified		

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

Composition comments This mixture contains ≥ 1% Titanium Dioxide (CAS 13463-67-7) The Annex VI classification of Titanium Dioxide does not apply to this mixture according to its Note 10. 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 No specific symptoms known.

Eye contact No specific symptoms known.

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 The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

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5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Heating may generate flammable vapours. Vapours may form explosive mixtures with air.

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.

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 Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Take precautionary measures against static discharges. Contaminated rags and cloths must be put in fireproof containers for disposal.

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.

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

TITANIUM DIOXIDE

EH40 WEL, Time Weighted Average (TWA):, Inhalable dust. 10 mg/m3, 8 h
EH40 WEL, Time Weighted Average (TWA):, Respirable dust. 4 mg/m3, 8 h

BARIUM SULPHATE

Long-term exposure limit (8-hour TWA): 4 mg/m³ respirable dust
Long-term exposure limit (8-hour TWA): 10 mg/m³ inhalable dust

C.I. PIGMENT YELLOW 42

Long-term exposure limit (8-hour TWA): 5 mg/m³, Iron. fume
Short-term exposure limit (15-minute): 10 mg/m³, Iron. fume

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Argentina 3.5, TWA
Australia 3.0, TWA, inhalable
Belgium 3.6, TWA
Brazil 3.5, TWA
Canada (Ontario) 3.0 TWA, inhalable
China 4.0, TWA 8.0, TWA, STEL (15 min)
Colombia 3.0, TWA, inhalable
Czech Republic 2.0, TWA
Egypt 3.5, TWA
Finland 3.5, TWA; 7.0, STEL
France – INRS 3.5, TWA/VME inhalable
Germany – BeKGS527 0.5, TWA, respirable; 2.0, TWA, inhalable (DNEL values)
Hong Kong 3.5, TWA
Indonesia 3.5, TWA/NABs
Ireland 3.5, TWA; 7.0, STEL
Italy 3.5, TWA, inhalable
Japan – MHLW 3.0
Japan – SOH 4.0, TWA; 1.0, TWA, respirable
Korea 3.5, TWA
Malaysia 3.5, TWA
Mexico 3.5, TWA
Russia 4.0, TWA
Spain 3.5, TWA (VLA-ED)
Sweden 3.0, TWA
United Kingdom 3.5, TWA, inhalable; 7.0, STEL, inhalable
EU REACH DNEL 2.0, TWA, inhalable; 0.5, TWA respirable
United States 3.5, TWA, OSHA-PEL
3.0, TWA, ACGIH-TLV®, inhalable
3.5, TWA, NIOSH-REL

Ingredient comments No exposure limits known for ingredient(s).

TITANIUM DIOXIDE (CAS: 13463-67-7)

DNEL
Workers - Inhalation; Long term local effects: 10 mg/m³
Professional - Inhalation; Long term local effects: 10 mg/m³
Consumer - Oral; Long term systemic effects: 700 mg/kg/day

PNEC
marine water; 0.0184 mg/l
Fresh water; 0.184 mg/l
Intermittent release; 0.193 mg/l
STP; 100 mg/l
Sediment, marine water; 100 mg/kg
Sediment, Fresh water; 1000 mg/kg
Soil; 100 mg/kg

BARIUM SULPHATE (CAS: 7727-43-7)

DNEL
Workers - Inhalation; Long term systemic effects: 10 mg/m³
Workers - Inhalation; Long term local effects: 10 mg/m³
Consumer - Inhalation; Long term systemic effects: 10 mg/m³
Consumer - Oral; Long term systemic effects: 13000 mg/kg

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PNEC	Fresh water; 115 µg/l STP; 62.2 mg/l Sediment (Freshwater); 600.4 mg/kg Soil; 207.7 mg/kg

Trimethylolpropane (CAS: 77-99-6)

DNEL	Workers - Inhalation; Long term systemic effects: 3.3 mg/m³ Workers - Dermal; Long term systemic effects: 0.94 mg/kg Consumer - Inhalation; Long term systemic effects: 0.58 mg/m³ Consumer - Dermal; Long term systemic effects: 0.34 mg/kg Consumer - Oral; Long term systemic effects: 0.34 mg/kg

C.I. PIGMENT YELLOW 42 (CAS: 51274-00-1)

DNEL	Workers - Inhalation; Long term local effects: 10 mg/cm²

CARBON BLACK (CAS: 1333-86-4)

DNEL	Workers - Inhalation; Long term : 0.5 mg/m³, respirable fraction Workers - Inhalation; Long term : 2 mg/m³, inhalable fraction

8.2. Exposure controls

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. The following protection should be worn: Chemical splash goggles or face shield.
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.

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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)	Organic solvents. Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
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. Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid	No information available.

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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.

Acute and chronic health hazards No specific health hazards known.

Toxicological information on ingredients.

CARBON BLACK

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} >8000 mg/kg, Oral, Rat

Germ cell mutagenicity

Summary In vivo mutagenicity in rats occurs by mechanisms secondary to a threshold effect and is a consequence of “lung overload,” which leads to chronic inflammation and the release of genotoxic oxygen species. This mechanism is considered to be a secondary genotoxic effect and, thus, carbon black itself would not be considered to be mutagenic.

Genotoxicity - in vitro Carbon black is not suitable to be tested directly in bacterial (Ames test) and other in vitro systems because of its insolubility. However, when organic solvent extracts of carbon black have been tested, results showed no mutagenic effects. Organic solvent extracts of carbon black can contain traces of polycyclic aromatic hydrocarbons (PAHs). A study to examine the bioavailability of these PAHs showed that they are very tightly bound to carbon black and are not bioavailable (Borm, 2005).

Genotoxicity - in vivo In an experimental investigation, mutational changes in the hprt ene were reported in alveolar epithelial cells in the rat following inhalation exposure to carbon black (Driscoll, 1997). This observation is considered to be rat-specific and a consequence of “lung overload,” which leads to chronic inflammation and release of reactive oxygen species. This is considered to be a secondary genotoxic effect and, thus, carbon black itself would not be considered to be mutagenic.

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

SECTION 12: Ecological information

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Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Partition coefficient Not available.

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No information available.

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

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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).
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	23/09/2021
Revision	19
Supersedes date	20/03/2019