SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and
Regulation (EC) No. 1272/2008 Including amendments

Revision date 15-08-2025 **Revision Number** 1

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

1.1. Product identifier

Product Name PY FASCOL CHESTNUT PIGMENT

Product Code(s) WS08359A

Safety data sheet number 30530

Unique Formula Identifier (UFI) M4JQ-P286-T00J-99M9

Pure substance/mixture Mixture

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

Recommended use Polyester pigment for composites. For industrial use only.

1.3. Details of the supplier of the safety data sheet

Importer
WSEU LIMITED
The Penthouse Floor
5 Lapps Quay
Cork
Ireland
T12 RW7D

Supplier
West & Senior Ltd
Milltown Street
Radcliffe
Manchester
M26 1WE
UK

For further information, please contact

E-mail address info@westsenior.co.uk

Non-Emergency Telephone Number + 44 01617247131

1.4. Emergency telephone number

Emergency Telephone +44 0161 724 7131 Only available 8am to 4pm, Monday to Friday (UK Time Zone)

Emergency Telephone - §45 - (EC)1272/2008	
Europe	**112**
Austria	24hr Emergency number +43 1 406 43 43
Belgium	070 245 245
Denmark	+45 8212 1212
Finland	0800 147 111 (the call is free of charge)09 471 977 (normal price)
France	ORFILA number: + 33 (0)1 45 42 59 59
Ireland	7 days a week 8am-10pm - 01 809 2166
Lithuania	Apsinuodijimų kontrolės ir informacijos biuro tel. Nr. +370 (85) 2362052
Netherlands	NVIC: +31 (0)88 755 8000: Only for the purpose of informing medical personnel in case of acute intoxications' or in Dutch: 'Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen.
Norway	22 59 13 00
Portugal	Portugal CIAV phone number: +351 800 250 250

Spain	National Emergency Telephone Number of Spanish Poison Centre: + 34 91 562 04 20 The information will be provided in Spanish (available 24/7): health personnel & general public (poisoning cases).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].
EUH210 - Safety data sheet available on request.
EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

Other hazards No information available.

PBT & vPvB None known.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	CAS No.	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
RED OXIDE C.I. PIGMENT RED 101	1309-37-1	10-30%	01-2119457614-35-0011	215-168-2	No data available	-	-	-
BARIUM SULPHATE	7727-43-7	10-30%	01-2119491274-35-0001	231-784-4 (056-002-00-7)	No data available	-	-	-
TITANIUM DIOXIDE	13463-67-7	1-5%	01-2119489379-17-0000	236-675-5	No data available	-	-	-
C.I. PIGMENT VIOLET 19	1047-16-1	1-5%	01-2119456814-32-0000	213-879-2	No data available	-	-	-
CARBON BLACK	1333-86-4	<1%	01-2119384822-32-0000	215-609-9	No data available	-	-	-

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate
If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
RED OXIDE C.I. PIGMENT RED 101 1309-37-1	10000	No data available	No data available	No data available	No data available
BARIUM SULPHATE 7727-43-7	307000	No data available	No data available	No data available	No data available
TITANIUM DIOXIDE 13463-67-7	10000	No data available	5.0951	No data available	No data available
C.I. PIGMENT VIOLET 19 1047-16-1	7500	2000	No data available	No data available	No data available
CARBON BLACK 1333-86-4	15400	2000	0.0046	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Nanoforms
C.I. PIGMENT VIOLET 19 (1047-16-1)

Name of (set of) nanoform(s)	Particle characteristics	Value	Method
Plate Aspect ratio (x) =1 to 3 [TEM]	Particle size distribution - d10	10-40 nm	No information available
Plate Aspect ratio (x) =1 to 3 [TEM]	Particle size distribution - d50	15-70 nm	No information available
Plate Aspect ratio (x) =1 to 3 [TEM]	Particle size distribution - d90	40-110 nm	No information available

CARBON BLACK (1333-86-4)

Name of (set of) nanoform(s)	Particle characteristics	Value	Method
solid: nanoform, surface-treated	Particle size distribution - d10	7-29 nm	No information available
solid: nanoform, surface-treated	Particle size distribution - d50	10-50 nm	No information available
solid: nanoform, surface-treated	Particle size distribution - d90	15-85 nm	No information available

Additional information
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.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Ingestion Rinse mouth.

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

Symptoms No information available.

Effects of Exposure No information available.

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

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510) Storage class 10.

7.3. Specific end use(s)

Risk Management Methods (RMM) No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
RED OXIDE C.I. PIGMENT RED 101 1309-37-1	-	TWA: 5 mg/m³ STEL 10 mg/m³	TWA: 5 mg/m³	TWA: 5.0 mg/m³	TWA: 4 mg/m³ TWA: 5 mg/m³ TWA: 10 mg/m³ STEL: 10 mg/m³
BARIUM SULPHATE 7727-43-7	-	-	TWA: 5 mg/m³;	TWA: 10.0 mg/m³;	TWA-GVI: 10 mg/m³; total dust, inhalable particles TWA-GVI: 4 mg/m³; respirable dust
TITANIUM DIOXIDE 13463-67-7	-	TWA-TMW: 5 mg/m³; alveolar dust, respirable fraction STEL-KZGW: 10 mg/m³ (2 X 60 min); alveolar dust, respirable fraction	TWA: 10 mg/m³;	TWA: 10.0 mg/m³; respirable dust	TWA-GVI: 10 mg/m³; total dust, inhalable particles TWA-GVI: 4 mg/m³; respirable dust
CARBON BLACK 1333-86-4	-	-	TWA: 3 mg/m³	-	TWA: 3.5 mg/m³ STEL: 7 mg/m³
Fumed silica (generic) 112945-52-5	-	TWA: 4 mg/m³	-	-	-
SILICA (CRYSTALLINE) 14808-60-7	TWA: 0.1 mg/m³;	TWA-TMW: 0.05 mg/m³; alveolar dust, respirable fraction	TWA: 0.1 mg/m³; alveolar dust TWA: 0.05 mg/m³;	TWA: 0.1 mg/m³; respirable fraction	TWA-GVI: 0.1 mg/m³; respirable dust; respirable particle

Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
RED OXIDE C.I. PIGMENT RED 101 1309-37-1	-	TWA: 10 mg/m³	TWA: 3.5 mg/m³ STEL: 7 mg/m³	TWA: 3.5 mg/m³	TWA: 5 mg/m³
TITANIUM DIOXIDE 13463-67-7	-	-	TWA: 6 mg/m³; STEL: 12 mg/m³;	TWA: 5 mg/m³;	-
CARBON BLACK 1333-86-4	-	TWA: 2.0 mg/m³	TWA: 3.5 mg/m³ STEL: 7 mg/m³	TWA: 3 mg/m³	TWA: 3.5 mg/m³ STEL: 7 mg/m³
Fumed silica (generic) 112945-52-5	-	TWA: 0.1 mg/m³ TWA: 4.0 mg/m³	-	TWA: 2 mg/m³	TWA: 5 mg/m³

SILICA (CRYSTALLINE) 14808-60-7	TWA: 0.1 mg/m³; respirable dust fraction	TWA: 0.1 mg/m³; dust	TWA: 0.3 mg/m³; total TWA: 0.1 mg/m³; respirable STEL: 0.6 mg/m³; total STEL: 0.2 mg/m³; respirable	TWA: 0.1 mg/m³; inhalable dust	TWA: 0.05 mg/m³; respirable dust
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
RED OXIDE C.I. PIGMENT RED 101 1309-37-1	TWA: 5 mg/m³ TWA: 10 mg/m³	-	-	TWA: 10 mg/m³ STEL: 10 mg/m³	TWA: 4 mg/m³
BARIUM SULPHATE 7727-43-7	-	TWA-AGW; 1.25 mg/m³ (exposure factor 2); respirable fraction TWA-AGW; 10 mg/m³ (exposure factor 2); inhalable fraction	TWA-MAK: 0.3 mg/m³; II(8);respirable fraction TWA-MAK: 4 mg/m³; ;inhalable fraction Peak: 2.4 mg/m³; respirable fraction	-	-
TITANIUM DIOXIDE 13463-67-7	TWA-VME: 10 mg/m³;	TWA-AGW; 1.25 mg/m³ (exposure factor 2); respirable fraction TWA-AGW; 10 mg/m³ (exposure factor 2); inhalable fraction	TWA-MAK: 0.3 mg/m³; II(8);respirable fraction Peak: 2.4 mg/m³; respirable fraction	TWA: 10 mg/m³; inhalable fraction TWA: 5 mg/m³; respirable fraction	-
CARBON BLACK 1333-86-4	TWA: 3.5 mg/m³	-	-	TWA: 3.5 mg/m³ STEL: 7 mg/m³	TWA: 3 mg/m³
Fumed silica (generic) 112945-52-5	-	TWA: 4 mg/m³	TWA: 0.02 mg/m³ Peak: 0.16 mg/m³	-	-
SILICA (CRYSTALLINE) 14808-60-7	TWA-VME: 0.1 mg/m³; alveolar fraction	-	-	TWA: 0.1 mg/m³; respirable dust fraction	TWA-AK: 0.1 mg/m³; respirable fraction
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
RED OXIDE C.I. PIGMENT RED 101 1309-37-1	TWA: 5 mg/m³ TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 10 mg/m³ STEL: 12 mg/m³ STEL: 30 mg/m³	-	TWA: 5 mg/m³	TWA: 4 mg/m³	TWA: 3.5 mg/m³
BARIUM SULPHATE 7727-43-7	TWA: 5 mg/m³; respirable dust STEL: 15 mg/m³ (calculated); respirable dust	-	TWA: 5 mg/m³; inhalable fraction	-	-
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m³; total inhalable dust TWA: 4 mg/m³; respirable dust STEL: 30 mg/m³ (calculated); respirable dust STEL: 12 mg/m³ (calculated);	-	TWA: 10 mg/m³;	TWA: 10 mg/m³;	TWA-IPRD: 5 mg/m³;
CARBON BLACK 1333-86-4	TWA: 3 mg/m³ STEL: 15 mg/m³	-	TWA: 3 mg/m³	-	-
Fumed silica (generic)	TWA: 6 mg/m³	-	-	TWA: 1 mg/m³	-

112945-52-5	TWA: 2.4 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³				
Trimethylolpropane 77-99-6	-	-	-	-	Ceiling: 5 ppm
SILICA (CRYSTALLINE) 14808-60-7	TWA: 0.1 mg/m³; respirable dust STEL: 0.3 mg/m³;	TWA: 0.1 mg/m³; respirable fraction	TWA: 0.025 mg/m³; respirable fraction	-	TWA-IPRD: 0.1 ppm; respirable fraction
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
RED OXIDE C.I. PIGMENT RED 101 1309-37-1	-	-	-	TWA: 3 mg/m³ STEL: 6 mg/m³	TWA: 2.5 mg/m³ TWA: 5 mg/m³ STEL: 10 mg/m³ STEL: 5 mg/m³
BARIUM SULPHATE 7727-43-7	-	-	-	TWA: 0.5 mg/m³; STEL: 1.5 mg/m³ (except Barium sulfate;value calculated);	-
TITANIUM DIOXIDE 13463-67-7	-	-	-	TWA: 5 mg/m³; STEL: 10 mg/m³ (value calculated);	TWA-NDS: 10 mg/m³; inhalable fraction STEL-NDSCh: 30 mg/m³;
CARBON BLACK 1333-86-4	-	-	-	TWA: 3.5 mg/m³ STEL: 7 mg/m³	TWA: 4 mg/m³
Fumed silica (generic) 112945-52-5	-	-	-	TWA: 1.5 mg/m³ STEL: 3 mg/m³	-
SILICA (CRYSTALLINE) 14808-60-7	-	-	TWA: 0.075 mg/m³; respirable fraction	TWA: 0.05 mg/m³; respirable dust TWA: 0.3 mg/m³; total dust STEL: 0.9 mg/m³ (value calculated;dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula. At the same time, the values for Nuisance dust must be observed); total dust STEL: 0.15 mg/m³ (value calculated;dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula. At the same time, the values for Nuisance dust must be observed); respirable dust	TWA-NDS: 0.1 mg/m³; respirable fraction

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
RED OXIDE C.I. PIGMENT RED 101 1309-37-1	TWA: 5 mg/m³	TWA: 5 mg/m³ STEL: 10 mg/m³	TWA: 1.5 mg/m³	-	TWA: 5 mg/m³
BARIUM SULPHATE 7727-43-7	TWA (VLE-MP): 5 mg/m³; inhalable fraction	-	TWA: 4 mg/m³; inhalable fraction TWA: 1.5 mg/m³; respirable fraction	-	TWA-(VLA-ED): 10 mg/m³;
TITANIUM DIOXIDE 13463-67-7	TWA (VLE-MP): 10 mg/m³;	TWA: 10 mg/m³; STEL: 15 mg/m³;	TWA: 5 mg/m³;	-	TWA-(VLA-ED): 10 mg/m³;
CARBON BLACK 1333-86-4	TWA: 3 mg/m³	-	TWA: 2 mg/m³ TWA: 10 mg/m³	-	TWA: 3.5 mg/m³
Fumed silica (generic) 112945-52-5	-	-	-	TWA: 4 mg/m³	-
SILICA (CRYSTALLINE) 14808-60-7	TWA (VLE-MP): 0.025 mg/m³; respirable fraction	TWA: 0.1 mg/m³; dust, respirable fraction	TWA: 0.1 mg/m³; STEL: 0.5 mg/m³;	TWA: 0.05 mg/m³; respirable fraction	TWA-(VLA-ED): 0.05 mg/m³; respirable fraction

Chemical name	Sweden	Switzerland	United Kingdom
RED OXIDE C.I. PIGMENT RED 101 1309-37-1	NGV: 3.5 mg/m³	TWA: 3 mg/m³	TWA: 5 mg/m³ TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 10 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³
BARIUM SULPHATE 7727-43-7	-	TWA-MAK: 3 mg/m³; respirable dust TWA-MAK: 10 mg/m³; inhalable dust	TWA: 10 mg/m³; inhalable dust TWA: 4 mg/m³; respirable dust STEL: 30 mg/m³; inhalable dust STEL: 12 mg/m³; respirable dust
TITANIUM DIOXIDE 13463-67-7	TLV-NGV: 5 mg/m³; total dust	TWA-MAK: 3 mg/m³; respirable dust TWA-MAK: 10 mg/m³; inhalable dust	TWA: 10 mg/m³; total inhalable TWA: 4 mg/m³; respirable STEL: 30 mg/m³; total inhalable STEL: 12 mg/m³; respirable
CARBON BLACK 1333-86-4	NGV: 3 mg/m³	-	TWA: 3.5 mg/m³ STEL: 7 mg/m³
Fumed silica (generic) 112945-52-5	-	TWA: 4 mg/m³	TWA: 6 mg/m³ TWA: 2.4 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³
Trimethylolpropane 77-99-6	NGV: 5 mg/m³	-	-
SILICA (CRYSTALLINE) 14808-60-7	TLV-NGV: 0.1 mg/m³; respirable fraction	TWA-MAK: 0.15 mg/m³; respirable dust	TWA: 0.1 mg/m³; respirable fraction STEL: 0.3 mg/m³; respirable

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
BARIUM SULPHATE	-	-	10 mg/m³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
7727-43-7			10 mg/m³ [5] [6]
C.I. PIGMENT VIOLET 19 1047-16-1	-	42 mg/kg bw/day [4] [6]	147 mg/m³ [4] [6] 3 mg/m³ [5] [6]
CARBON BLACK 1333-86-4	-	-	1 mg/m³ [4] [6] 0.5 mg/m³ [5] [6]
Trimethylolpropane 77-99-6	-	0.94 mg/kg bw/day [4] [6]	3.3 mg/m³ [4] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
BARIUM SULPHATE 7727-43-7	13000 mg/kg bw/day [4] [6]	-	10 mg/m³ [4] [6]
C.I. PIGMENT VIOLET 19 1047-16-1	25 mg/kg bw/day [4] [6]	-	-
CARBON BLACK 1333-86-4	-	-	0.06 mg/m³ [4] [6]
Trimethylolpropane 77-99-6	0.34 mg/kg bw/day [4] [6]	-	0.58 mg/m³ [4] [6]

Notes

[4] Systemic health effects.
[6] Long term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
BARIUM SULPHATE 7727-43-7	115 µg/L	-	-	-	-
TITANIUM DIOXIDE 13463-67-7	0.127 mg/l	0.61 mg/l	1 mg/l	0.61 mg/l	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
BARIUM SULPHATE 7727-43-7	600.4 mg/kg sediment dw	-	62.2 mg/L	207.7 mg/kg soil dw	-
TITANIUM DIOXIDE 13463-67-7	1000 mg/kg sediment dw	100 mg/kg sediment dw	100 mg/L	100 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection	Appropriate eye/face protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.
Hand protection	Wear chemically resistant gloves (tested in accordance to EN 374-1 Type C or greater to be assessed by local risk assessment and physical activity) in combination with employee training.Glove material : Neoprene , Nitriles.Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin and body protection	Appropriate skin and body protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.
Respiratory protection	Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Coloured paste, or, Viscous liquid
Physical state	Liquid
Color	brown
Odor	Aromatic
Odor threshold	No information available

Property	Values		Remarks • Method
Melting point / freezing point	No data available		None known
Boiling point or initial boiling point and boiling range	No data available		None known
Flammability	No data available		None known
Lower and upper explosion limit/flammability limit			None known
Lower explosion limit	No data available		
Upper explosion limit	No data available		
Flash point	> 65 °C		None known
Autoignition temperature	No data available		None known
Decomposition temperature			None known
SADT (°C)	No data available		None known
pH	No data available		None known
pH (as aqueous solution)	No data available		None known
Kinematic viscosity	No data available		None known
Dynamic viscosity	No data available		None known
Solubility	Organic solvents		None known
Water solubility	No data available	Insoluble in water	None known
Partition coefficient n-octanol/water (log value)	No data available		None known
Vapor pressure	No data available		None known
Density and/or relative density	No data available		None known
Bulk density	No data available		
Liquid Density	No data available		
Relative vapor density	No data available		None known
Particle characteristics			

Particle Size No information available
Particle Size Distribution No information available

9.2. Other information

9.2.1. Information with regard to physical hazard classes
No information available

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity Based on available data, the classification criteria are not met.

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	99,999.00	mg/kg
ATEmix (dermal)	99,999.00	mg/kg
ATEmix (inhalation-gas)	99,999.00	ppm
ATEmix (inhalation-vapor)	99,999.00	mg/l
ATEmix (inhalation-dust/mist)	99,999.00	mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
RED OXIDE C.I. PIGMENT RED 101	> 10000 mg/kg (Rat)	-	-
BARIUM SULPHATE	= 307000 mg/kg (Rat)	-	-
TITANIUM DIOXIDE	> 2000 mg/kg (Rat)	-	> 5.09 mg/L (Rat) 4 h
C.I. PIGMENT VIOLET 19	> 7500 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
CARBON BLACK	> 15400 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 4.6 mg/m^3 (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity 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). 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 In 2006 IARC re-affirmed its 1995 finding that there is “inadequate evidence” from human health studies to assess whether carbon black causes cancer in humans. IARC concluded that there is “sufficient evidence” in experimental animal studies for the carcinogenicity of carbon black. IARC’s overall evaluation is that carbon black is “possibly carcinogenic to humans (Group 2B)”. This conclusion was based on IARC’s guidelines, which generally require such a classification if one species exhibits carcinogenicity in two or more animal studies (IARC, 2010). Solvent extracts of carbon black were used in one study of rats in which skin tumors were found after dermal application and several studies of mice in which sarcomas were found following subcutaneous injection. IARC concluded that there was

"sufficient evidence" that carbon black extracts can cause cancer in animals (Group 2B).

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
RED OXIDE C.I. PIGMENT RED 101	-	LC50: =100000mg/L (96h, Danio rerio)	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
C.I. PIGMENT VIOLET 19	2.2

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
RED OXIDE C.I. PIGMENT RED 101	Not PBT/vPvB
BARIUM SULPHATE	Not PBT/vPvB

TITANIUM DIOXIDE	Not PBT/vPvB
C.I. PIGMENT VIOLET 19	Not PBT/vPvB
CARBON BLACK	Not PBT/vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects
No information available.

PMT or vPvM properties Based on available data, the classification criteria are not met.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Special Provisions None

IMDG
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Special Provisions None
14.7 Maritime transport in bulk according to IMO instruments No information available

RID
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Special Provisions None

ADR
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Special Provisions None

ADN
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special precautions for user Special Provisions None

SECTION 15: Regulatory information

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

National regulations

France
Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
RED OXIDE C.I. PIGMENT RED 101 - 1309-37-1	RG 44,RG 44bis,RG 94
CARBON BLACK - 1333-86-4	RG 16,RG 16bis

Chemical Prohibition Ordinance (ChemVerbotsV) This product is subject to requirements and restrictions regarding handling and delivery

TRGS 905 Not applicable

Switzerland
Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 Not applicable
Storage of Hazardous Material SC Non-hazardous material
WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20 Not applicable
Major Accidents Ordinance SR 814.012 Not applicable

European Union
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
RED OXIDE C.I. PIGMENT RED 101 - 1309-37-1	Use restricted. See entry 75.	-
TITANIUM DIOXIDE - 13463-67-7	75	-
C.I. PIGMENT VIOLET 19 - 1047-16-1	Use restricted. See entry 75.	-
CARBON BLACK - 1333-86-4	Use restricted. See entry 75.	-

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) Regulation (EU) 2024/590
Not applicable.

EU - Plant Protection Products (1107/2009/EC)

Chemical name	EU - Plant Protection Products (1107/2009/EC)
CARBON BLACK - 1333-86-4	Plant protection agent

Explosives Precursors Marketing and Use (2019/1148)
Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status
TCSI	Contact supplier for inventory compliance status

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing Chemicals Inventory
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals
TCSI - Taiwan Chemical Substance Inventory

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
+	Sensitizers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used

Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Chronic aquatic toxicity	Calculation method
Acute aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian Industrial Chemicals Introduction Scheme (AICIS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 15-08-2025

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
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End of Safety Data Sheet