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 28-10-2025 **Revision Number** 3

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

1.1. Product identifier

Product Name PY FASCOL TANGERINE PIGMENT

Product Code(s) WS40007A

Safety data sheet number 40035

Unique Formula Identifier (UFI) V5VJ-G3UG-200E-R3GS

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
For further information, please contact

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

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 Combustible liquid.***

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)
C.I. PIGMENT YELLOW 83***	5567-15-7	10-30%	01-2119475484-30-0000	226-939-8	No data available	-	-	-
BARIUM SULPHATE***	7727-43-7	5-10%	01-2119491274-35-0001	231-784-4 (056-002-00-7)	No data available	-	-	-
TITANIUM DIOXIDE***	13463-67-7	5-10%	01-2119489379-17-0000	236-675-5	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
C.I. PIGMENT YELLOW 83*** 5567-15-7	15000	3000	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

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 YELLOW 83 (5567-15-7)

Name of (set of) nanoform(s)	Particle characteristics	Value	Method
Pigment Yellow 83	Particle size distribution - d10	10-51 nm	No information available
Pigment Yellow 83	Particle size distribution - d50	30-82 nm	No information available
Pigment Yellow 83	Particle size distribution - d90	30-140 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.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8).***

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 Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.***

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 Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.***

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 Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material.***

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.***

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.***

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.***

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
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
ROSIN 8050-09-7	-	-	-	-	TWA: 0.05 mg/m³ STEL: 0.15 mg/m³ Skin Sensitisation
CARBON BLACK 1333-86-4	-	-	TWA: 3 mg/m³;***	-	TWA-GVI: 3.5 mg/m³; STEL-KGVI: 7 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
TITANIUM DIOXIDE*** 13463-67-7	-	-	TWA: 6 mg/m³; STEL: 12 mg/m³;	TWA: 5 mg/m³;	-
ROSIN 8050-09-7	-	TWA: 1 mg/m³ S+	-	-	-
CARBON BLACK 1333-86-4	-	TWA: 2.0 mg/m³; dust***	TWA: 3.5 mg/m³; STEL: 7 mg/m³;***	TWA: 3 mg/m³;***	TWA: 3.5 mg/m³; STEL: 7 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
C.I. PIGMENT YELLOW 83***	-	-	TWA: 0.3 mg/m³ Peak: 2.4 mg/m³	-	-

5567-15-7					
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	-
ROSIN 8050-09-7	TWA: 0.1 mg/m³	-	skin sensitizer	-	-
CARBON BLACK 1333-86-4	TWA-VME: 3.5 mg/m³;***	-	-	TWA: 3.5 mg/m³; STEL: 7 mg/m³;***	TWA-AK: 3 mg/m³; inhalable concentration***
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
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;
ROSIN 8050-09-7	TWA: 0.05 mg/m³ STEL: 0.15 mg/m³ Sens+	-	senR+ senD+	TWA: 4 mg/m³	-
CARBON BLACK 1333-86-4	TWA: 3 mg/m³; inhalable fraction STEL: 15 mg/m³ (calculated); inhalable fraction***	-	TWA: 3 mg/m³;***	-	-
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
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	TWA-NDS: 10 mg/m³; inhalable

				mg/m³ (value calculated);	fraction STEL-NDSCh: 30 mg/m³;
CARBON BLACK 1333-86-4	-	-	-	TWA: 3.5 mg/m³; STEL: 7 mg/m³ (value calculated);***	TWA-NDS: 4 mg/m³; inhalable fraction***
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
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;
ROSIN 8050-09-7	Sensitizer Rosin core solder thermal decomposition products	TWA: 0.1 mg/m³	-	-	Sen+
CARBON BLACK 1333-86-4	TWA (VLE-MP): 3 mg/m³; inhalable fraction***	-	TWA: 2 mg/m³; respirable fraction, 5% or less fibrogenic component TWA: 10 mg/m³; respirable fraction, greater than 5% fibrogenic component	-	TWA-(VLA-ED): 3.5 mg/m³;***

			TWA: 10 mg/m³; total aerosol Ceiling: 10 mg/m³; solid aerosol***		
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
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
ROSIN 8050-09-7	-	S+	TWA: 0.05 mg/m³ STEL: 0.15 mg/m³ Sen+
CARBON BLACK 1333-86-4	TLV-NGV: 3 mg/m³; inhalable fraction***	-	TWA: 3.5 mg/m³; STEL: 7 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
C.I. PIGMENT YELLOW 83*** 5567-15-7	-	45 mg/kg bw/day [4] [6]	3 mg/m³ [5] [6]
BARIUM SULPHATE*** 7727-43-7	-	-	10 mg/m³ [4] [6] 10 mg/m³ [5] [6]
ROSIN 8050-09-7	-	2.131 mg/kg bw/day [4] [6]	10 mg/m³ [5] [6]
CARBON BLACK 1333-86-4	-	-	1 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
C.I. PIGMENT YELLOW 83*** 5567-15-7	28 mg/kg bw/day [4] [6]	28 mg/kg bw/day [4] [6]	-
BARIUM SULPHATE***	13000 mg/kg bw/day [4] [6]	-	10 mg/m³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
7727-43-7			
ROSIN 8050-09-7	1.0655 mg/kg bw/day [4] [6]	-	-
CARBON BLACK 1333-86-4	-	-	0.06 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	-
ROSIN 8050-09-7	0.0016 mg/L	0.016 mg/L	0.00016 mg/L	-	-
CARBON BLACK 1333-86-4	50 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	-
ROSIN 8050-09-7	0.007 mg/kg sediment dw	0.0007 mg/kg sediment dw	1000 mg/L	0.00045 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	orange
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 This product contains a diaryl pigment. This product should not be used if the processing temperature exceeds 200°C because of possible thermal decomposition, which can, with prolonged exposure or further increased temperature, form e.g. traces of aromatic amines. 3,3'-Dichloro-benzidine.***

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
C.I. PIGMENT YELLOW 83	> 15000 mg/kg (Rat)	> 3000 mg/kg (Rat)	-
BARIUM SULPHATE	= 307000 mg/kg (Rat)	-	-
TITANIUM DIOXIDE	> 2000 mg/kg (Rat)	-	> 5.09 mg/L (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
C.I. PIGMENT YELLOW 83***	-	LC50: >100mg/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 YELLOW 83***	0.02

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
C.I. PIGMENT YELLOW 83***	Not PBT/vPvB
BARIUM SULPHATE***	Not PBT/vPvB
TITANIUM DIOXIDE***	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

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
C.I. PIGMENT YELLOW 83*** - 5567-15-7	Use restricted. See entry 75.	-
TITANIUM DIOXIDE*** - 13463-67-7	75	-

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) Regulation (EU) 2024/590

Not applicable.

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 28-10-2025

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