

ROCKWOOD PIGMENTS UK. LTD.
Material Safety Data Sheet (In compliance with 2001/58/EC)

Blended iron oxide pigments

Relating to Product Code

GPV RedPR

1. Identification / substance / preparation / company

Supplier: ROCKWOOD PIGMENTS UK LTD.
HIGH TOR WORKS
MATLOCK BATH
DERBYSHIRE
DE4 3PT

TEL. 01629 582245
FAX 01629 760929

Material: Iron Oxide Pigment.

Product Description: Colouring agent for paints, concrete and coating applications.

2. Composition / information on ingredients

This product will contain one or more of the following:

	CAS No.	EINECS No.	Chemical Formula
Red Iron Oxide	1309-37-1	215-168-2	Fe ₂ O ₃
Yellow Iron Oxide	20344-49-4	243-746-4	FeHO ₂
Black Iron Oxide	1317-61-9	215-277-5	Fe ₃ O ₄
Titanium dioxide	13463-67-7	236-675-5	TiO ₂
Magnesium Stearate	557-04-0	209-150-3	
Sodium Lignosulphonate	8061-51-6	not listed	
Limestone	1317-65-3	215-279-6	CaCO ₃

3. Hazards information

This product is not classified as dangerous according to directive. 67/548/EC
May be a mechanical irritant to eyes, skin and respiratory system.

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4. First-Aid measures

Eye Contact: Immediately flush out with eye wash solution or clean water particularly under eyelid.
Skin contact: Wash with soap and water.
Inhalation: Remove from exposure.
Ingestion: Do not induce vomiting. Wash out mouth with water. If large quantities are ingested seek qualified medical advice.
If symptoms persist seek qualified medical advice.

5. Fire - fighting measures

Non-flammable. Non-combustible

Extinguishing Media: Use media appropriate to surrounding fire.

6. Accidental release measures

Use R.P.E. of sufficiently high standard to prevent exposure in excess of occupational exposure limits.
Prevent from entering drains, Surface and ground water and soil.
Protect eyes and skin. Collect spillage by vacuum and reclaim or dispose of as normal refuse.

7. Handling and storage

Handling: Avoid contact with skin and eyes. Do not breathe dust. Atmospheric concentrations should be minimised and kept as low as reasonably practicable below the occupational limit by the use of suitable handling methods and local exhaust ventilation.

Storage: Undercover, away from heat and moisture.

8. Exposure controls / personal protection

Engineering Measures:

Provide adequate ventilation. Where reasonably practicable this should be achieved by containment at source, local exhaust ventilation and good general extraction.

If these are not sufficient to maintain concentrations of particulates below the relevant exposure limits, suitable respiratory protection should be worn.

Use goggles and provide eye wash facilities where necessary.

Wear gloves and overalls.

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Exposure Limits:

T.W.A. Total Dust: 10 mg/m³; Respirable Fraction: 5 mg/m³.
O.S.H.A. P.E.L.: Dust and Fume: T.W.A. 10 mg (Fe)/m³; Rouge: T.W.A. Total Dust: 10 mg/m³; Respirable Fraction: 5 mg/m³
A.C.G.I.H. T.L.V.: T.W.A. 5 mg (Fe)/m³.
D.F.G. M.A.K.: 6 mg/m³ calculated as fine dust
N.I.O.S.H. R.E.L.: (Iron Oxide, Dust and Fume): T.W.A. 5 mg/m³

9. Physical and chemical properties

Appearance:	Fine powder.
Odour:	Odourless.
pH (20c water):	3-9
Boiling point	Not measured
Flash point	Not measured
Flammability	Non flammable
Bulk density	0.4-1.4 kg/l
Solubility (water):	Insoluble
Solubility (other):	Hydrochloric acid

10. Stability and reactivity

Stability:	Stable under normal conditions.
Hazardous decomposition products:	None when used as directed.
Incompatibility:	None to our knowledge.

11. Toxicological information

Oral Toxicity (rat)	LD ₅₀ >5000mg/Kg
Aquatic Toxicity (Golden Orfe)	LC ₅₀ >1000mg/l
Bacteriological Toxicity	No information available

12. Ecological information

See point 11
Pigment is insoluble in water and can be separated by sedimentation.
There are no known ecological problems associated with this product.
Avoid contamination with drains, waters and soil.

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13. Disposal considerations

May be disposed of in approved landfill sites provided local and national regulations are observed.
Packaging may be recycled after cleaning.

14. Transport information

Not classified as dangerous for transportation.

15. Regulatory information

This product is not classified as dangerous according to directive. 67/548/EC
Control of Substances Hazardous to Health Regulations 1999 apply in U.K.

16. Other information

This data sheet was prepared in accordance with Directive 2001/58/EC to the best of our knowledge with current data available.
Exposure data taken from EH 40
Revisions on this data sheet are marked with *
For further information on uses and restrictions contact Rockwood Pigments (UK) Limited