



Deutsche Baryt-Industrie

Product Carbon Footprint

in accordance with GHG-protocol

Owner of declaration:
Publisher:

Sachtleben Minerals GmbH & Co. KG
Deutsche Baryt-Industrie
Dr. Rudolf Alberti GmbH & Co. KG

Product name:

Albawhite 40



Ein Unternehmen der

SACHTLEBEN MINERALS 



Deutsche Baryt-Industrie

General Information

Product

Albawhite 40

Statements

The owner of the declaration shall be liable for the underlying information and evidence

Declared unit

The declared unit is 1 metric ton packed in 25kg paper bags.

Owner of declaration

Sachtleben Minerals GmbH & Co. KG

Contact person: Geronimo Steinkönig

Phone: +49 78 31 / 96 922 0

E-Mail: geronimo.steinkoenig@sachtleben-minerals.com

Adress: Meistergasse 14, 77756 Hausach, Germany

Manufacturer

Deutsche Baryt-Industrie Dr. Rudolf Alberti GmbH & Co. KG

Bahnhofstraße 21, 37431 Bad Lauterberg im Harz

Year of study

2020

The PCF has been worked out by:

Geronimo Steinkönig

Ein Unternehmen der

SACHTLEBEN MINERALS





Deutsche Baryt-Industrie

Product

Product information

Albawhite 40 is manufactured by Deutsche Baryt-Industrie in Bad Lauterberg - in Germany's mountainous Harz region - from selected natural barium sulphate concentrates. This quality is a white, good dispersable extender typically used in many different applications.

Typical applications

Facade Paints, Powder Coatings, Adhesives & Sealants, Floor Coverings.

Market

Global

Reference service life

Not relevant

PCF: Calculation rules

Declared unit

The declared unit is 1 metric ton packed in 25kg paper bags.

Transportation to customer is excluded.

System boundary

The system boundary includes the modules A1-A3. A1-A3 includes extraction of raw ore, transportation and processing of natural resources, manufacturing of the product and storage/ packaging at the production plant in Bad Lauterberg/ Germany. The product is ready for pickup by the customer and ready to use.

Cut-off criteria

All major raw materials and all the essential energy is included. This cut-off rule does not apply for hazardous materials and substances. Materials with little impact are not part of the PCF calculation.

Ein Unternehmen der

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Data quality

Data of consumption of natural resources, energy carriers, chemicals, transports, on site or between processing plants are site specific from Deutsche Baryt-Industrie Dr. Rudolf Alberti GmbH & Co. KG in Germany. The energy mix used is identified by the supplier according to §42 EnWG. Emission factors of other natural resources or materials are used from various sources such as Ecoinvent 3.6, ProBas, GEMIS and representative studies by the UBA Germany.

PCF: Results

Product stage			Assembly stage		Use stage								End of life stage				Beyond the system boundaries
Raw materials, resources and energy used	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential	
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	
X	X	X	MND	MND	MND	MNR	MNR	MND	MND	MNR	MND	MND	MND	MND	MND	MND	

System boundaries (X=included, MND=module not declared, MNR=module not relevant)

Environmental impact Albawhite 40

Albawhite 40						
Parameter	Unit	A1-A3	A4	A1-A5	B1-B7	C1-C4
GWP	kg CO ₂ -eqv	148,37	MND/MNR			

GWP (Global warming potential)

A safety margin of 5% has been added to the final result.

Approved by:



Robert Mauerlechner
Managing Director
Sachtleben Minerals

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Albawhite 40

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The owner of the declaration shall be liable for the underlying information and evidence

Declared unit

The declared unit is 1 metric ton packed in **bigbags**.

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Phone: +49 78 31 / 96 922 0

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Typical applications

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Market

Global

Reference service life

Not relevant

PCF: Calculation rules

Declared unit

The declared unit is 1 metric ton packed in bigbags.

Transportation to customer is excluded.

System boundary

The system boundary includes the modules A1-A3. A1-A3 includes extraction of raw ore, transportation and processing of natural resources, manufacturing of the product and storage/ packaging at the production plant in Bad Lauterberg/ Germany. The product is ready for pickup by the customer and ready to use.

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A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	
X	X	X	MND	MND	MND	MNR	MNR	MND	MND	MNR	MND	MND	MND	MND	MND	MND	

System boundaries (X=included, MND=module not declared, MNR=module not relevant)

Environmental impact Albawhite 40

Albawhite 40						
Parameter	Unit	A1-A3	A4	A1-A5	B1-B7	C1-C4
GWP	kg CO ₂ -eqv	144,18	MND/MNR			

GWP (Global warming potential)

A safety margin of 5% has been added to the final result.

Approved by:



Robert Mauerlechner
Managing Director
Sachtleben Minerals

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Deutsche Baryt-Industrie

General Information

Product

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Statements

The owner of the declaration shall be liable for the underlying information and evidence

Declared unit

The declared unit is 1 metric ton stored in a **silo**.

Owner of declaration

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Contact person: Geronimo Steinkönig

Phone: +49 78 31 / 96 922 0

E-Mail: geronimo.steinkoenig@sachtleben-minerals.com

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Market

Global

Reference service life

Not relevant

PCF: Calculation rules

Declared unit

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A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	
X	X	X	MND	MND	MND	MNR	MNR	MND	MND	MNR	MND	MND	MND	MND	MND	MND	

System boundaries (X=included, MND=module not declared, MNR=module not relevant)

Environmental impact Albawhite 40

Albawhite 40						
Parameter	Unit	A1-A3	A4	A1-A5	B1-B7	C1-C4
GWP	kg CO ₂ -eqv	143,22	MND/MNR			

GWP (Global warming potential)

A safety margin of 5% has been added to the final result.

Approved by:



Robert Mauerlechner
Managing Director
Sachtleben Minerals

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