



Brüggemann
Chemical



INDUSTRIAL CHEMICALS

ACTIVE ZINC OXIDES/ZINC CARBONATES

DIRECT/INDIRECT ZINC OXIDES

Product	Composition	Applications and Characteristics
Zinc Carbonate RAC	Hydrozincite, Zinc Oxide	Sulfur Absorption <ul style="list-style-type: none"> → for hydrogen sulfide removal (e.g. in oil exploration) → highly active zinc compound → excellent cost/performance ratio
Zinc Carbonate AC	Hydrozincite, Zinc Oxide	Chemical Industry <ul style="list-style-type: none"> → raw material for organic zinc derivatives (e.g. zinc soap and zinc salt, catalyst, cosmetic and home care products) → high purity and reactivity Rubber Industry <ul style="list-style-type: none"> → activator for sulfur and Thiuram vulcanization → for production of transparent and translucent rubber articles
Zinc Oxide RAC/ Zinc Oxide RAC 25	Active Zinc Oxide	Rubber Industry <ul style="list-style-type: none"> → activator for sulfur and Thiuram vulcanization → ideal for slow reactive systems like EPDM → excellent cost/performance ratio → optimal composition for vulcanization → reduction of heavy metal content up to 50 % in comparison to conventional systems
Zinc Oxide AC	Active Zinc Oxide	Catalyst Industry <ul style="list-style-type: none"> → high purity for zinc catalyst process → high surface area for high performance → ideal particle structure Rubber Industry <ul style="list-style-type: none"> → activator for sulfur and Thiuram vulcanization → for production of transparent and translucent rubber articles
Zinc Oxide Pharma	Zinc Oxide, 99,8 %	Indirect Zinc Oxide <ul style="list-style-type: none"> → compliant with all common pharmacopoeia → applications in Cosmetic and Pharma Industries
Zinc Oxide White Seal	Zinc Oxide, 99,7 %	Indirect Zinc Oxide <ul style="list-style-type: none"> → high purity → wide ranges of application (e.g. varnishes and paints) → Plastic and Chemical Industry → high degree of particle fineness
Zinc Oxide Red Seal	Zinc Oxide, 99,4 %	Indirect Zinc Oxide <ul style="list-style-type: none"> → usable in all common applications (e.g. varnishes and paints) → well known and used in rubber industry
Zinc Oxide Special	Zinc Oxide, 99,2 %	Direct Zinc Oxide <ul style="list-style-type: none"> → ZnO with a wide range of applications → very good application characteristics in: <ul style="list-style-type: none"> → Glass, Enamel, Ceramic Industries → Chemical Industry → Oil Additives → Rubber Industry → Lubricants → Fertilizers

BRUGGOLITE®/BLANCOLEN® - REDUCING AND ANTIOXIDANT AGENTS

Produkt	Zusammensetzung	Anwendungen und Eigenschaften
Bruggolite® E01	Sodium Formaldehyde Sulfoxylate	Reducing Agent → for water-based polymerisation and textile industry → powder or granules → based on over 80 years experience in production → produced in Germany
Bruggolite®L40/L35	Stabalized solution of Sodium Formaldehyde Sulfoxylate in different concentration	Liquid Reducing Agent → for water-based polymerisation and textile industry → water solution ready for processing → optimization of process handling
Bruggolite® No 5	Stabalized solution of Sodium Formaledehyde Sulfoxylate	Liquid Reducing Agent → for textile industry → odour optimized → convenient for manual handling
Bruggolite® NF	Sodium Formaledehyde Sulfoxylate	“Pharma” Reducing Agent → Pharma quality → specified and proved according to latest issue of USP tested
Bruggolite® FF6M	Sulfinic Acid derivate	“Formaldehyde free” Reducing Agent → new development with improved reactivity → increased performance in removal of residual monomers → none yellowing → micro-granules
Blancolen®T	Sulfinic Acid derivate	Reducing Agent → specially stabilized for the production of titanium dioxide → improved whiteness → better process reliability in comparison to Trivalent- System
Blancolen®TL	Sulfinic Acid derivate	Liquid Reducing Agent → specially stabilized for the production of titanium dioxide → ready for processing in water solution → improved whiteness → better process reliability in comparison to Trivalent-system, optimization of process handling
Blancolen® HP	Sulfinic Acid derivate	Antioxidant Agent → applicable for use in Latices and solids → heat resistant up to 200°C → reduces yellowing in polymers → micro-granules

Manufacturer and Application specialist of Reducing Agents and Highly Active Zinc Derivatives

BrüggemannChemical is the only manufacturer of Sodium Formaldehyde Sulfoxylate (SFS) in the Western World. As a leading manufacturer and Research Organisation in the area of the sulphur based reducing agents Brüggemann-Chemical has a wide assortment of sulfinic acid derivatives (**Brueggolite®** and **Blancolen®**).

New processes and procedures improve the efficiency of our zinc derivatives thus opening up new applicational areas. Our active zinc oxide stands for optimum application for the customer. Our aim is to offer innovative, easy to use products to our customer in different product forms such as powder, granulate or aqueous concentrates. This united with a wide variety of packaging forms offer optimal processing. High quality standards and reactivity allow efficient dosage and therefore competitive advantages.

Second Generation Sulfinic Acid Derivates

An example of innovative strength is our **Brueggolite® FF6 M**, the first worldwide first new sulfinic acid for almost 100 years.

Brüggolit® FF6 M is free of formaldehyde, has a higher reactivity and does not yellow. Significantly superior results, in comparison to well tried reducing agents, are achieved at low dosages.

Active zinc derivatives – our speciality

BrüggemannChemical is specialised in the production of active zinc oxides with a very high specific surface area and manufactured under special conditions. This product innovation enables us to create an optimum formulation for a wide range of applications. Together with our customers we constantly develop and improve our products. Our product programme also encompasses direct and indirect zinc oxide. Therefore we are able to support almost every application.

Zinc Carbonate – a product with big potential

BrüggemannChemical has a long standing experience in the production of zinc carbonates. High quality and efficiency demands are made by a wide range of applications in the Chemical, Pharmaceutcial and Cosmetic Industries. Ever increasing demands create new challenges with resulting in individual solutions developed together with our customers.





CONTACTS

BrüggemannChemical

L. Brüggemann Kommanditgesellschaft

Salzstrasse 131

74076 Heilbronn, Germany

Phone +49 (0) 71 31 15 75-0

Fax +49 (0) 71 31 15 75-25-111

info@brueggemann.com

BrüggemannChemical U.S., Inc.

15 Reese Avenue, Suite 200

Newtown Square, Philadelphia, PA 19073, USA

Phone +1 (610) 353 9852

Fax +1 (610) 353 9853

usa@brueggemann.com

BrüggemannChemical Asia Ltd.

8/F Cambridge House

Taikoo Place, 979 King's Road

Island East, Hong Kong

Phone +852-2293-2652

Fax +852-2293-2622

asia@brueggemann.com

WWW.BRUEGGEMANN.COM