



Calcium Carbide



PRODUCT DESCRIPTION

Calcium Carbide is a highly powerful reagent for various applications in secondary metallurgy:

- » Desulfurization
- » Deoxidation
- » Slag treatment

Chemical Analysis (typ.):

CaC ₂ :	77 %
CaO:	18 %
ΣSi, Al, Fe, C:	3 %



APPLICATION

For desulfurization to ultra-low sulfur contents **Calcium Carbide** is injected as fine powder. The addition at tapping or at the ladle treatment station for deoxidation or slag reduction is carried out with coarser product.

Our standard granulations are:

- » 0.1 - 1 mm
- » 1 - 3 mm
- » 7 - 15 mm

Calcium Carbide can be packed in containers from 1 to 1.8 t or in steel drums á 120 kg.



YOUR BENEFITS

- » Reduced costs and improved cleanliness due to gaseous deoxidation products
- » Ultra-low sulfur contents and slag with high sulfur capacity
- » Recovery of oxidized metals like Cr, Mn, Si, Fe
- » Fast reduction of aggressive furnace slag results in increased refractory life
- » Less consumption of synthetic slag and slag builders

ALZCHEM GROUP

The AlzChem Group comprises AlzChem AG and its subsidiary companies NIGU Chemie GmbH in Waldkraiburg, Nordic Carbide in Sundsvall, Sweden, AlzChem International GmbH, AlzChem Stahltechnik GmbH, AlzChem Nutrition GmbH and the sales companies AlzChem LLC in Atlanta, USA, and AlzChem Shanghai Co. Ltd. in Shanghai, China. The registered offices of AlzChem are located in Trostberg in Upper Bavaria, in the Traunstein district.

AlzChem Group is an international chemical company with approx 1,400 employees and an annual turnover in 2015 of more than 320 million euros. One of the main areas AlzChem focuses on is NCN chemistry, meaning products that have a typical nitrogen-carbon-nitrogen compound. These products are used in nutrition, agriculture, fine chemistry, metallurgy and automotive engineering.

NORDIC CARBIDE AB

Nordic Carbide AB in Sundsvall, Sweden, is a company of the AlzChem Group. The modern calcium carbide site is located right at a port and supplies the major European Customers in the Steel- and Acetylene market.

PLEASE CONTACT US IN
GERMANY:

AlzChem AG

Dr.-Albert-Frank-Straße 32
83308 Trostberg, Germany

T +49 8621 86-0
F +49 8621 86-2911



Jeannette Strasser

T +49 8621 86-2251
Jeannette.strasser@alzchem.com

WWW.ALZCHEM.COM

This information is based upon our present knowledge and experience, and is intended to provide general notes about our products and their uses. AlzChem therefore assumes no liability for such information or advice, including the suitability of such information or advice for a particular application or the extent to which such information or advice may relate to third party intellectual property rights or to laws and provisions. It is the sole responsibility of the customer to arrange for incoming products to be inspected and tested by qualified experts.
Edition: 2016 (This publication supersedes all previous publications for this product group.)