



## Calzot®

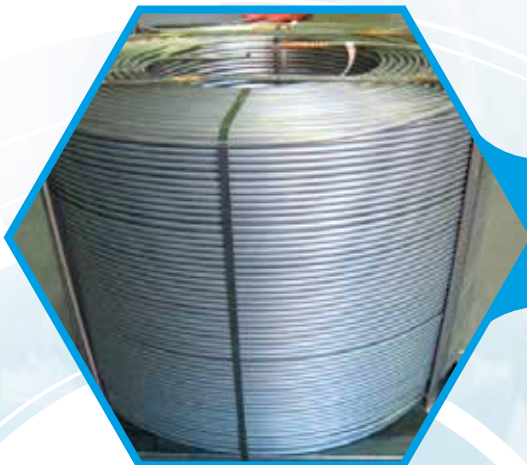


### PRODUCT DESCRIPTION

**Calzot®** is an effective, safe and low cost additive for nitrogen alloying in liquid metal processing as well as in nitride hardening of finished components.

#### *Chemical Analysis:*

Nitrogen:	> 23.5 %
Calcium incl. CaO:	> 44 %
Calcium w/o CaO:	> 32 %
Carbon:	Ø 22.5 %

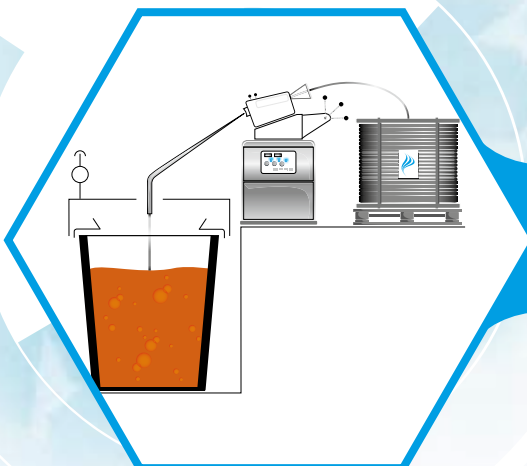


### APPLICATION

The main field of application is in the secondary metallurgy of steel. **Calzot®** is offered in paper or plastic bags, steel drums or bigbags from 10 kg up to 1000 kg. Depending on place and technique of addition we will recommend one of our three granulations:

*0 – 2 mm | 1 – 5 mm | 5 – 30 mm*

Highest yield and precision is reached when **Calzot®** is applied as cored wire.



### YOUR BENEFITS

Accurate adjustment of nitrogen in steel is decisive for the properties of the final product and for purpose and goal oriented micro-alloying.

- » *High and constant nitrogen content for secure alloying*
- » *Significant cost savings compared to Ferro-alloys*
- » *Less temperature and time loss compared to alloying via gas phase*
- » *Lowest level of impurities*

## 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.

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