



## Calcium Carbide

# High quality acetylene production with Calcium Carbide

Calcium Carbide is produced at Alzchem by an endothermic reaction. Calcium Carbide reacts at more than 2000 °C and is therefore a very energy rich substance. The stored energy transforms into Acetylene, when Calcium Carbide gets in contact with water.



The reaction product Acetylene ( $\text{C}_2\text{H}_2$ ) is filled in bottles to be used for welding applications. Another purpose of Acetylene are polymerisation reactions in chemical processes.

One kilogram of technical Calcium Carbide releases approximately 300 litres of Acetylene. The stable quality – according to product specification – is the result of Alzchems long-year experienced production process.

### Application

- Alzchem's bottom opening Turnbins provide a user friendly and safe method of filling Calcium Carbide into the reactor.
- As a result of the constant quality of Calcium Carbide, a stable Acetylene production process can be expected.
- Handling and logistics can be provided by Alzchem for Turnbins and steel drums.

### Your Benefits

- Low sulfur and phosphor content
- Good and stable sedimentation behaviour
- Stable gas yield
- High quality and low impurity content
- Stable reaction behaviour





## GRANULATIONS

7–25 mm

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25–50 mm

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25–80 mm

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## PACKAGING

100 kg steel drums, 9 drums on a pallet

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1.500 kg Turnbin container

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## TRANSPORT

Class 4.3

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UN-No 1402

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Packaging group I

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