



Calcium Carbide

High quality acetylene production with Calcium Carbide



Calcium Carbide CaC₂, UN No 1402

Calcium Carbide is used as raw material for the production of acetylene gas.

It is also used as a desulphurisation agent in steel works and foundries.

At Nordic Carbide AB plant in Sweden, Calcium Carbide is produced in a modern furnace process using lime, coke and electrical energy.

Nordic Carbide is a part of Alzchem group. Within the group there is also another carbide furnace, situated in Germany.

Together the companies have over 100 years of experience within the carbide industry.

Our IBC containers are manufactured and tested according to the classes below, and also according to the UN Recommendations for Transport of Dangerous Goods.

NORDIC
carbide
Alzchem Group


alzchem
group



CALCIUM CARBIDE SPECIFICATIONS FOR 25–80 MM FRACTION

Gas yield:	291 l/kg ±3%
Impurities:	1.5 percent by weight of solid impurities
Impurities in raw acetylene gas:	
H ₂ S	max. 700 ppm
PH ₃	max. 600 ppm
Specific gravity:	approx. 2.3 g/cm ³



PACKAGING

Turnbin containers, i.e. returnable steel IBC's of type AGA Cryo

Net weight (max.)	1.000 kg
Volume	1.53 m ³
Standard granulations: Other granulations on request.	1–4 mm, 4–7 mm, 7–15 mm, 25–80 mm



TRANSPORT AND USE

Classes	UN No 1402
IMDG	4.3
RID	4.3 I
ADR	4.3 I
ICAO-Ti	4.3



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