Email : sales@scilabexport.com
Phone: +91-7082934803

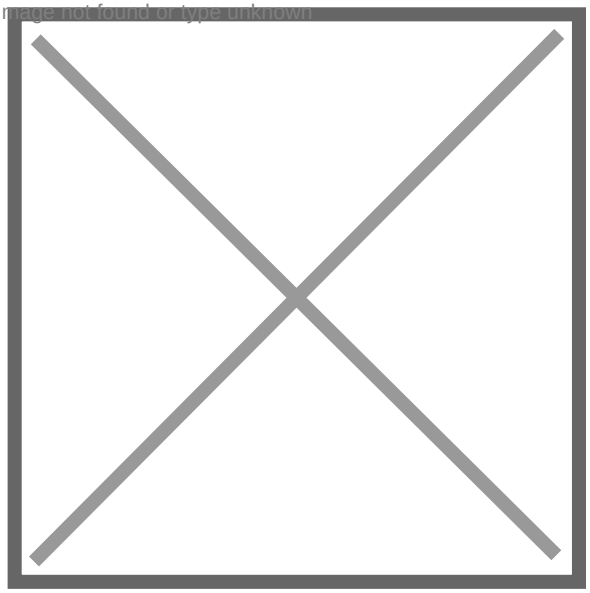
**Product Name :**

Calcium Carbide

**Product Code :**

SCI-565/245

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# Description :

**Calcium Carbide** (Product Code: SCI-565/245) is an analytical reagent grade inorganic compound used to prepare acetylene (ethyne) gas by reaction with water in school and college organic chemistry laboratories. It gives students a simple route to an unsaturated hydrocarbon for bromine-water and permanganate tests, and it comes as a 200 g pack with an MSDS. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as part of its chemistry lab equipment and reagent range.

## Specifications

| Parameter | Detail |
|---|---|
| Grade | Analytical reagent |
| Pack contents | 200 g |
| Accompanying document | MSDS |
| Shelf life | Shelf life depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted. |
| Product code | SCI-565/245 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is Calcium Carbide Used For?

Water dripped slowly from a dropping funnel onto a few pieces of calcium carbide in a side-tube flask produces acetylene, which is collected over water in test tubes or gas jars. Bubbled through bromine water, the gas removes the orange colour; with dilute alkaline potassium permanganate it turns the purple solution brown, both confirming a carbon–carbon multiple bond. A small tube of acetylene burns with a very sooty, luminous flame, a vivid contrast with methane.

The residue left in the flask is calcium hydroxide, so a drop of indicator shows it is alkaline. Acetylene generated from carbide often carries a garlic-like smell from trace impurities, so work in a well-ventilated room, keep flames away while generating the gas, and ignite only small test-tube samples. Store the pack tightly sealed in a dry place, because moisture in the air slowly releases flammable gas.

## Supplier

ScienceLab is the trading name of **Jain Scientific Equipments Private Limited**, which supplies Calcium Carbide from Ambala, Haryana, for hydrocarbon practicals in schools and colleges. Bromine water, permanganate and gas-generation glassware can be quoted in the same enquiry. Learn more on the ScienceLab profile page.

## Related Laboratory Equipment

Preparing and testing acetylene from Calcium Carbide usually involves:

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