

# Product Data Sheet

## (5N) 99.999% Aluminum Carbide Powder

Product Code: AL-C-05-P

Formula:  $Al_4C_3$

CAS No.: 1299-86-1

EC No.: 215-076-2

MDL: MFCD00003425

### Chemical Identifiers

Linear Formula	$Al_4C_3$
MDL Number	MFCD00003425
EC No.	215-076-2
Beilstein Registry No.	N/A
Pubchem CID	16685054
IUPAC Name	alumanylidyne-methyl-(alumanylidyne-methylalumanylidenemethylidene)alumane
SMILES	<chem>C([Al])[Al]=C=[Al]C#[Al]</chem>
InChI Identifier	InChI=1S/3C.4Al
InChI Key	CAVCGVPGBKGDGTG-UHFFFAOYSA-N

**Total Metal Impurities:** 0.001% max.

### Packaging Specifications

Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are

packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.

**Documentation**

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.