



# ACETYLENE

## 2 COMPONENT MIXTURES

| ACETYLENE BALANCE NITROGEN          |               |                                               |     |                                                       |                       |
|-------------------------------------|---------------|-----------------------------------------------|-----|-------------------------------------------------------|-----------------------|
| Concentration                       | Cylinder Size | Volume (ft³)                                  | CGA | Mixture Grades Available                              | Equipment Recommended |
| 1 - 9,999 ppm                       | DA            | 143                                           | 350 | Primary Standard<br>Certified Standard<br>Uncertified | 400 Series regulator  |
|                                     | QA            | 82                                            |     |                                                       |                       |
|                                     | GA            | 31                                            |     |                                                       |                       |
|                                     | K             | 209                                           |     |                                                       |                       |
|                                     | Q             | 70                                            |     |                                                       |                       |
|                                     | G             | 35                                            |     |                                                       |                       |
| ≥ 1% Please Inquire                 |               |                                               |     |                                                       |                       |
| <b>D.O.T. Proper Shipping Name:</b> |               | Compressed gas, n.o.s., (Nitrogen, Acetylene) |     |                                                       |                       |
| <b>I.D. Number:</b>                 |               | UN1956                                        |     |                                                       |                       |
| <b>Hazard Class:</b>                |               | 2.2                                           |     |                                                       |                       |
| <b>Shipping Labels:</b>             |               | Nonflammable Gas                              |     |                                                       |                       |

\*Cylinder pressure and volume varies proportionately at higher concentrations.  
A certification will be provided upon request for a nominal fee, except for uncertified mixtures.

| TECHNICAL INFORMATION          |                            |
|--------------------------------|----------------------------|
| <b>High Pressure Cylinder:</b> | 2000 psig @ 70° Fahrenheit |

### BUILD MIXTURE PART NUMBER:

To build your part number start with the Balance gas, next enter your Minor component followed by the minor component concentration. Then select the mixture grade and finally the cylinder size you need. For example, take a Primary Standard grade of 5 ppm Acetylene balance Nitrogen in a size DA cylinder. From the table below we can follow the tables to come up with **NI AC5MPDA**.

| Balance Gas<br>(A B) |      | Minor Comp Code<br>(C D E) |      | Minor Component Concentration<br>([E] F G H I) |             | Mixture Grade<br>(J) |      | Cylinder<br>Size<br>(K L) |
|----------------------|------|----------------------------|------|------------------------------------------------|-------------|----------------------|------|---------------------------|
| Balance Gas          | Code | Minor Gas                  | Code | Concentration                                  | Code        | Grade                | Code | Code                      |
| Nitrogen             | NI   | Acetylene                  | AC   | 5 PPM to 99 PPM                                | 5M – 99M    | Primary Standard     | P    | DA                        |
|                      |      |                            |      | 100 PPM to 999 PPM                             | 100 – 999   | Certified Standard   | C    | QA                        |
|                      |      |                            |      | 1,000 PPM to 9,999 PPM                         | 1000 – 9999 | Uncertified          | U    | GA                        |
|                      |      |                            |      | 1% to 10%                                      | 1 – 10      |                      |      |                           |
| <b>NI</b>            |      | <b>AC</b>                  |      | <b>5M</b>                                      |             | <b>P</b>             |      | <b>DA</b>                 |