

## FORMING GAS 10



### Applications

Root shielding in TIG and Plasma welding of austenitic stainless steels

### Transport information

#### Compressed gases

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| Proper shipping name | Compressed gas, flammable,<br>N.O.S. (Hydrogen, Nitrogen) |
| UN-Nr                | 1954                                                      |
| ADR/RID              | Class 2<br>Classification code 1 F                        |



### Safety Data Sheets

Compressed gas : 3344

Access:

[https://drive.google.com/open?id=1xiE8jnrPZOxNYwWhwBsQiDBK1BL-GrQ&usp=drive\\_copy](https://drive.google.com/open?id=1xiE8jnrPZOxNYwWhwBsQiDBK1BL-GrQ&usp=drive_copy)

### Physical information

|                       |                            |
|-----------------------|----------------------------|
| Molecular weight      | Mix                        |
| Relative density:     |                            |
| Relative density, gas | Lighter than air           |
| Colour                | Colorless                  |
| Odor                  | Odorless                   |
| CAS number            | H2:1333-74-0, N2:7727-37-9 |

### Properties

**Hazards identification:** Contains gas under pressure; may explode if heated.

**Flammability range:** Highly flammable



### Cylinder equipment

**Shoulder colour:**

Red (RAL 3000)



### Product Specifications

| Components<br>(% Vol. abs) |         |     | Impurities<br>(ppm v/v)  |      | Supply mode | Packaging size | Pressure | Capacity | Product reference |
|----------------------------|---------|-----|--------------------------|------|-------------|----------------|----------|----------|-------------------|
| H <sub>2</sub>             | 10 %    | ±1% | H <sub>2</sub> O (5 bar) | ≤ 40 | Cylinder    | 47L            | 200 bar  | 8,8 m3   | I4760L47R2A001    |
| N <sub>2</sub>             | Balance |     | O <sub>2</sub>           | ≤ 20 |             |                |          |          |                   |

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