

## SPECIFICATION

Gas	Purity
Nitrogen	FoodGrade

## NOTE

Cylinder size	Contents kg	Charging pressure kPa at 20°C	Outlet connection
10 litre	2,2	20 000	3/4" BSPF right hand female
50 litre	11,0	20 000	3/4" BSPF right hand female

## COMMON DATA

## Description

Suremix N is a branded food grade nitrogen used for the dispensing of non-carbonated wines and juices.

Afrox MSDS no. Suremix

## Hazards

- High-pressure gas.
- Asphyxiant in high concentrations.

## Physical data

**Appearance/odour** Colourless and odourless

**Molecular weight** 28

**Specific volume at 20°C, 101,325 kPa** 861,5 l/kg

**Boiling point at 101,325 kPa** -196°C

**Critical temperature** -147°C

**Relative density (air = 1) at 1 atm** 0,97

**Density, gas at 101,325kPa + 20°C** 1,1455 kg/m<sup>3</sup>

**Flammability** Non-flammable

## USES AND FEATURES

- Used as a dispensing gas for non-carbonated wines and juices.

## PRECAUTIONS IN USE

- Use only approved pressure rated equipment.
  - Open cylinder valve slowly.
  - Close cylinder valve when not in use.
- Refer to MSDS for more information.

## MATERIAL COMPATIBILITY

- Suremix N is non-corrosive and so any common metal is acceptable provided equipment is designed to withstand process pressure.

## Suremix 30

### SPECIFICATION

#### Gas

Carbon dioxide mixture

### NOTE

Cylinder size	Contents kg	Charging pressure kPa at 20°C	Valve outlet connection
10 litre	2,8	18 000	5/8 "BSPF right hand female
50 litre	12,5	18 000	5/8 "BSPF right hand female

### COMMON DATA

#### Description

Suremix 30 is a branded food grade carbon dioxide/nitrogen mix used for the dispensing of nitrogenated ales and stouts.

Afrox MSDS no. Suremix

#### Hazards

- High-pressure gas.
- Asphyxiant in high concentrations.

### USES AND FEATURES

- Used as a dispense gas for nitrogenated ales and stouts.

### PRECAUTIONS IN USE

- Use only approved pressure rated equipment.
  - Open cylinder valve slowly.
  - Close cylinder valve when not in use.
- Refer to MSDS for more information.

### MATERIAL COMPATIBILITY

- Suremix 30 is non-corrosive, hence common material is acceptable, e.g. steel, iron, copper, brass, plastic.
- Moist carbon dioxide is slightly corrosive, hence carbonic acid resistant materials are required.

## SPECIFICATION

## Gas

Carbon dioxide mixture

## NOTE

Cylinder size	Contents kg	Charging pressure kPa at 20°C	Valve outlet connection
10 litre	4,4	18 000	5/8" BSPF right hand female
50 litre	21,3	18 000	5/8" BSPF right hand female

## COMMON DATA

## Description

Suremix 60 is a branded food grade carbon dioxide/nitrogen mix used for the dispensing of draught lager stored at cooler temperatures.

Afrox MSDS no. Suremix

## Hazards

- High-pressure gas.
- Asphyxiant in high concentrations.

## Physical data

**Appearance/odour** Colourless and odourless gas

**Flammability** Non-flammable

## USES AND FEATURES

- Used as a dispense gas for draught lager which is stored below 12°C

## PRECAUTIONS IN USE

- Use only approved pressure rated equipment.
- Open cylinder valve slowly.
- Close cylinder valve when not in use.
- Refer to MSDS for more information.

## MATERIAL COMPATIBILITY

- Suremix 60 is non-corrosive, hence common material is acceptable, e.g. steel, iron, copper, brass, plastic.
- Moist carbon dioxide is slightly corrosive, hence carbonic acid resistant materials are required.

## Suremix 100

### SPECIFICATION

#### Gas

Carbon dioxide mixture

### NOTE

Cylinder size	Contents kg	Charging pressure kPa at 20°C	Valve outlet connection
10 litre	6,4	6000	0,860" x 14 TPI RH Ext
50 litre	31,3	6000	0,860" x 14 TPI RH Ext

### COMMON DATA

#### Description

Suremix 100 is a branded food grade carbon dioxide mixture used for the dispensing of draught lager and carbonated soda fountain soft drinks.

Afrox MSDS no. Suremix

#### Hazards

- High pressure liquefiable gas.
  - Asphyxiant in high concentrations.
  - TLV is 5000 ppm.
- Sudden expansion will produce low temperatures.

#### Physical data

**Appearance/odour** Colourless and odourless

**Molecular weight** 44,01

**Specific volume at 20°C, 101,325 kPa** 547 l/kg

**Boiling point at 101,325 kPa** -78,4

**Critical temperature** 31,06°C

**Relative density (air = 1) at 1 atm and 0°C** 1,53

**Density, gas at 101,325 kPa + 0°C** 1,977kg/m<sup>3</sup>

**Flammability** Non-flammable

### USES AND FEATURES

- Used as a dispense gas for draught lager and carbonated soda fountain soft drinks.

### PRECAUTIONS IN USE

- Use only approved pressure rated equipment.
  - Open cylinder valve slowly.
  - Close cylinder valve when not in use.
- Refer to MSDS for more information.

### MATERIAL COMPATIBILITY

- Suremix 100 is non-corrosive, hence common material is acceptable, e.g. steel, iron, copper, brass, plastic.
- Moist carbon dioxide is slightly corrosive, hence carbonic acid resistant materials are required.