CHEFS DEPOT
Culinary Supplies

BestWhip Inc.

Product Information

Issue: October 2014

8 g compressed gas Nitrous Oxide (N2O) filled charger - crimped closure

for use of gas pressure only, N2O gas not for human consumption

PRODUCT DESCRIPTION AND USES

Disposable steel cylinder containing nitrous oxide at high pressure. The contents are released by piercing the metal cap. Principal use is in conjunction with appliances designed for producing whipped cream for commercial culinary use and home consumption.

TECHNICAL DATA

CAS number	10024-97-2
External surface:	polished steel or powder coat finish
Sealing method:	Piercable metal cap, crimp closed onto neck opening
Material of body:	special deep drawing steel

	METRIC UNITS	US / IMPERIAL UNITS
Overall Length (approx):	65 mm	2.56 in
Body Diameter:	18 mm	.709 in
Neck Diameter:	8.7 mm	.343 in
Thickness of sealing cap:	.4 mm	.016 in
Internal Volume (approx):	10.3 ml	.63 in^3
Net weight of N2O (approx):	8.5 g	.34 oz
Tare wt. of charger (approx):	21 g	.84 oz
Gross wt. of charger (approx):	29 g	1.16 oz
Bursting pressure:	>500 bar	>7250 lbf/in^2
Pressure / Temperature Characteristics at filling density of .75 kg/liter:	52 bar at 20°C 165 bar at 50°C 255 bar at 70°C 385 bar at 100°C 425 bar at 110°C	754 lbf/in^2 at 68°F 2392 lbf/in^2 at 122°F 3697 lbf/in^2 at 158°F 5582 lbf/in^2 at 212°F 6162 lbf/in^2 at 230°F

NITROUS OXIDE:

Gas supplied in accordance with BestWhip, Inc spec. TLV 0193 / E942 (99% N2O) USP, EU.PH.

Gas density at 1 atm:	1836 kg/m^3 at 20°C	.115 lb/ft^3 at 68° F
Relative density (air=1):	1.53 at 20°C	1.53 at 68° F
Critical Temperature:	36.5° C	98° F
Molecular weight:	44.013	

Appearance:	vapor	colorless
	liquid	clear
	solid	colorless acicular crystals
Odor:	mildly sweet	
Taste:	mildly sweet	
Fire Hazard:	non-flamable	
Toxicity:	non-toxic, anaesthetic effect if inhaled recommended maximum 0.01% v/v for continuous working conditions	

Non aerosol

CAUTION:

Use chargers and dispensers only in accordance with instructions. Do not heat.
Maximum environmental temperature in use not to exceed 50°C (122°F)
Do not use for any other purpose. Do not inhale. Misuse can be physically harmful and dangerous to your health.

HANDLING AND STORAGE:

Keep cool and dry, keep away from direct sunlight and heat.
Never dispose of full chargers. Never force open.
Keep out of reach of children and minors.

Recyclable steel

Storage temperature limit:	50°C	122°F

TRANSPORTATION:

	Non hazardous
UN No.:	Special Provision 191
Title:	Receptables, small, containing gas (gas cartridges) Receptacles with capacity not exceeding 50 ml containing only non-toxic constituents, are not subject to provisions of IMDGC

PACKAGING:

Large case:	25 boxes of 24 chargers	600 total chargers per case
Small case:	40 boxes of 10	400 total chargers per case