unitedbrands

Safety Data Sheet

Revision date : 01-08-2020

1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Product name: 2g N2 chargers
Chemical formula : N2
CAS: 7727-37-9 EC:231-783-9
Index Number: N/A

1.2 Details of the supplier of the safety data sheet:

United Brands
170 Associated Road
South San Francisco, CA 94080
USA

1.3 Telephone Number: +1 (800) 500-0583

2: HAZARDS IDENTIFICATION

Warning! Pressurized container; protect from sunlight; do not expose to temperatures exceeding 50°C (122° F) Keep out of reach of children; never dispose of full container, never force open.

3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure Material

Chemical name : N2	CAS number: 7727-37-9	EC Number (from EINECS) 231-783-9	Hazardous material composition (Percentage) : >99%	Symbol 

4:FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 Inhalation: Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

4.1.2 Ingestion: Not expected under normal conditions due to gaseous state.

4.1.3 Skin Contact: Wash affected area with soap and water; if irritation persists, seek medical attention.

4.1.4 Eye Contact:	Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

5: FIRE WARNING

5.1 Specific Hazards:
Exposure to fire may cause containers to rupture/explode.

5.2 General Hazards:
Product is not flammable or combustible.

5.3 Extinguishing Media:
Carbon dioxide, water, water fog, dry chemical, chemical foam.

5.4 Unusual Fire and Explosion Hazards:
Closed containers can explode due to buildup of pressure when exposed to extreme heat. Contents under pressure. Do not use or store near heat sources.

5.5 Hazardous Combustion Products: None

6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions:
Evacuate area. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Ensure adequate air ventilation.

6.2 Environmental precautions:
Try to stop release. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.3 Clean up methods:
Ventilated area.

7: HANDLING AND STORAGE

Handling:	Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures, keep away from sources of heat. Do not puncture container. Do not attempt to refill container. Keep away from direct sunlight and heat.

Storage:	Do not heat. Maximum environmental temperature in use not to exceed 50° C (122°F). Store in a cool and dry location.
Packaging materials:	Recyclable steel
Recommended use:	Use original container

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering controls:	The use of local exhaust ventilation is required to control emissions near the source. Provide mechanical ventilation of confined spaces.
Personal protection:	Ensure adequate ventilation. Carry working gloves and protection

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties of N2

E941--99% N2 Relative density air=1:	0.97 at 20°C
Melting point (N2 Sublimes):	-210 °C (-346° F)
Boiling point:	- 196° C (- 321° F)
Odor and appearance:	A colorless, odorless gas

Parameter of 2g N2 charger:	METRIC UNITS	US / IMPERIAL UNITS
Overall Length (approx):	65 mm	2.56 in
Body Diameter:	18 mm	0.709 in
Neck Diameter:	8.7 mm	0.343 in
Internal Volume (approx):	10.4 ml min.	0.62 in³
N2 Net weight of N2 (approx):	2 g	0.07 oz
Tare wt. of charger (approx)	22 g	0.78 oz
Gross wt. of charger (approx):	24 g	0.84oz
Bursting pressure:	>500 bar	>7350 lbf/in²

10: STABILITY AND RELIABILITY

Stability:	The product is stable
Materials to avoid:	Strong oxidizers, strong acids
Hazardous Decomposition Products:	Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

11: TOXICOLOGICAL INFORMATION

General:

No known toxicological effects from this product.

Acute toxicity:

No known toxicological effects from this product.

12: ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

13: DISPOSAL CONSIDERATIONS

Waste Disposal Method：
Never dump at sea. Inform waste disposal contractor of material to be disposed of zinc-plated and chrome stabilized steel. Never dispose of a filled cylinder

14: TRANSPORT INFORMATION

Non-hazardous

Class:	2.2
UN No.:	UN 2037
Title:	Receptacles, small, containing gas (gas cartridges) Receptacles with capacity not exceeding 1,000ml containing only non-toxic constituents, non-flammable, without release device, non-refillable.

15: REGULATORY INFORMATION

EU Regulations:	CAS Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.
Hazard symbol(s):	
Classification:	Harmful
Risk Phrases:	R20- Harmful by inhalation
Safety Phrases:	S38 - In case of insufficient ventilation, wear suitable respiratory equipment.
Contains:	N2

16: OTHER INFORMAION
