

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 554.00

Revision Date: April 28, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Nitrogen Gas

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Nitrogen gas

CAS#: 7727-37-9

SECTION 3 — HAZARDS IDENTIFICATION

Clear, nontoxic, nonflammable gas. Odorless.

High concentrations can be a simple asphyxiate. Substance is not considered hazardous. However, not all health aspects of this substance have been thoroughly investigated.

FLINN AT-A-GLANCE

Health-0
Flammability-0
Reactivity-0
Exposure-0
Storage-0

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable gas.

Gas under pressure in a cylinder may rupture with explosive force under fire condition.

NFPA CODE

None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Ventilate the area because the gas could act as an asphyxiate in an enclosed area.

SECTION 7 — HANDLING AND STORAGE

Store with other bottled gases in a secure area.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and a chemical-resistant apron.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear, odorless, nontoxic, nonflammable gas.
Solubility: Slightly soluble in water and alcohol.
Formula: N₂
Formula weight: 28.0

Specific gravity: 0.967

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with lithium, neodymium, and titanium.
Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: N.A.
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD₅₀: N.A.
IHL-RAT LC₅₀: N.A.
SKN-RBT LD₅₀: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply, before proceeding.
One option is to open cylinder and vent contents to air. Dispose of the empty cylinder in trash if nonrefillable.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Nitrogen, compressed
Hazard class: 2.2, Nonflammable gas
UN number: UN1066
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (231-783-9).

SECTION 16 — OTHER INFORMATION

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*
for additional information about laboratory chemicals.**