



Safety Data Sheet

Nitrogen

Section 1: Product and Company Identification

Absolute Accuracy
4591 S Wayside Dr
Houston, TX 77087
(832) 571-2387

Product Code: Nitrogen
Part Number: 1944

Section 2: Hazards Identification



Warning

Hazard Classification:
Gases Under Pressure

Hazard Statements:
Contains gas under pressure; may explode if heated

Precautionary Statements

Storage:
Protect from sunlight.
Store in well-ventilated place.

Section 3: Composition/Information on Ingredients

CAS #

7727-37-9

Chemical Substance**NITROGEN, COMPRESSED GAS****Section 4: First Aid Measures****Skin Contact**

Wash exposed skin with soap and water.

Section 5: Fire Fighting Measures**Suitable Extinguishing Media**

Non-flammable. Use suitable extinguishing media for surrounding fire. Cylinders may rupture or explode if exposed to heat.

Section 6: Accidental Release Measures**Personal Precautions**

Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas.

Methods for Cleanup

N/A

Section 7: Handling and Storage**Handling**

Store and handle in accordance with all current regulations and standards. Subject to storage regulations: U.S. OSHA 29 CFR 1910.101.

Section 8: Exposure Controls/Personal Protection**Exposure Guidelines****NITROGEN, COMPRESSED GAS: NITROGEN: ACGIH (simple asphyxiant)****Engineering Controls**

Handle only in fully enclosed systems.

Eye Protection**Eye protection not required, but recommended.****General Hygiene considerations**

- Avoid breathing vapor or mist
- Avoid contact with eyes and skin
- Wash thoroughly after handling and before eating or drinking

Section 9: Physical and Chemical Properties**Physical State**

Gas

Appearance

Clear

Flash Point**Not flammable****Flammability**

Not available

Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity	Water Solubility	pH	Odor Threshold	Evaporation Rate	Viscosity
-321 F (-196 C)	-346 F (-210 C)	760 mmHg @ -196 C	0.967 (Air=1)	Not applicable	1.6% @ 20 C	Not applicable	Not available	Not applicable	0.01787 cP @ 27 C

Molecular Weight	Molecular Formula
28.0134	N2

Section 10: Stability and Reactivity

Stability
Stable at normal temperatures and pressure.

Hazardous Decomposition Products
Oxides of nitrogen

Section 11: Toxicology Information

Acute Effects

Oral LD50
Not available

Eye Irritation
Contact with rapidly expanding gas may cause burns or frostbite

Chronic Effects

Carcinogenicity
Not hazardous

Section 12: Ecological Information

Fate and Transport

Eco toxicity
Fish toxicity: Not available Invertebrate toxicity: Not available Algal toxicity: Not available Phyto toxicity: Not available Other toxicity: Not available

Section 13: Disposal Considerations

Dispose in accordance with all applicable regulations.
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Section 14: Transportation Information

U.S. DOT 49 CFR 172.101

Proper Shipping Name	ID Number
Nitrogen, compressed	UN1066

Canadian Transportation of Dangerous Goods

Shipping Name
Nitrogen, compressed

Section 15: Regulatory Information

U.S. Regulations

CERCLA Sections

Not regulated.

SARA 370.21

Acute

Yes

SARA 372.65

Not regulated.

OSHA Process Safety

Not regulated.

State Regulations

CA Proposition 65

Not regulated.

Canadian Regulations

WHMIS Classification

A

National Inventory Status

US Inventory (TSCA)

Listed on inventory.

Section 16: Other Information

NFPA Rating

HEALTH=0 FIRE=0 REACTIVITY=0 SPECIAL=SA

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard