

# **Safety Data Sheet**MEDICAL NITROGEN LS-160 - 99% PURITY

Central McGowan 123 Roosevelt Road, St. Cloud, MN, 56301 800-569-1322

## **Section 1: Product and Company Identification**

**Central McGowan** 

123 Roosevelt Road, St. Cloud, MN, 56301

Product Code: MEDICAL NITROGEN LS-160 - 99% PURITY

Synonyms: MMG LS-160 NF

Recommended Use: Usage Restrictions:

## **Section 2: Hazards Identification**



Hazard Classification: Hazard Statements: Precautionary Statements

Co

Gases Under Pressure
Contains gas under pressure; may explode if heated

Storage:

Protect from sunlight.

Store in well-ventilated place.

## Section 3: Composition/Information on Ingredients

**CAS #** 7727-37-9

Chemical Substance	Chemical Family	Trade Names
NITROGEN, COMPRESSED GAS	Inorganic gases	DIATOMIC NITROGEN; DINITROGEN; NITROGEN; NITROGEN-14; NITROGEN GAS; UN 1066; N2

Central McGowan page 1 of 5

## **Section 4: First Aid Measures**

Skin Contact	Eye Contact	Ingestion	Inhalation	Note to Physicians
Wash exposed skin with soap and water.	Flush eyes with plenty of water.	If a large amount is swallowed, get medical attention.	If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.	For inhalation, consider oxygen.

# **Section 5: Fire Fighting Measures**

Suitable Extinguishing Media	Products of Combustion	Protection of Firefighters
Non-flammable. Use suitable extinguishing media for surrounding fire. Cylinders may rupture or explode if exposed to heat.	Non-flammable	<ul> <li>Respiratory protection may be needed for frequent or heavy exposure.</li> </ul>

## **Section 6: Accidental Release Measures**

Personal Precautions	<b>Environmental Precautions</b>	Methods for Containment
Keep unnecessary people away, isolate hazard area and deny entry. Stay	No significant effects from	Stop leak if possible without
upwind and keep out of low areas.	contamination expected.	personal risk.

	Methods for Cleanup	Other Information
ĺ	N/A	N/A

# **Section 7: Handling and Storage**

Handling	Storage
Store and handle in accordance with all current regulations and standards. Subject to storage regulations: U.S. OSHA 29 CFR	Keep separated from incompatible substances.
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	Skin Protection	Respiratory Protection
Eye protection not required, but	Protective clothing is not	Respiratory protection may be needed for frequent or heavy
recommended.	required.	exposure.
	Protective gloves are not	
	required.	

#### **General Hygiene considerations**

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

Central McGowan page 2 of 5

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

**Appearance** 

Color

			Appearance		
Gas	Clear	Colorless	N/A	Gas	Odorless
Taste	Flash Point	Flammability	Partition Coefficient	Autoignition Temperature	Upper Explosive Limits
Tasteless	Not flammable	Not available	Not available	Nonflammable	Nonflammable
Lower Explosive Limits	Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity
Nonflammable	-321 F (-196 C)	-346 F (-210 C)	760 mmHg @ -196 C	0.967 (Air=1)	Not applicable
Water Solubility	рН	Odor Threshold	Evaporation Rate	Viscosity	Molecular Weight
1.6% @ 20 C	Not applicable	Not available	Not applicable	0.01787 cP @ 27 C	28.0134

Change in

**Physical Form** 

Odor

Molecular Formula	Density	Weight per Gallon	Volatility by Volume	Volatility	Solvent Solubility
N2	1.2506 g/L	Not available	100%	1	Soluble : Liquid
	_				ammonia

# **Section 10: Stability and Reactivity**

Stability	Conditions to Avoid	Incompatible Materials
Stable at normal temperatures and pressure.	Protect from physical damage and heat. Containers may rupture or explode if exposed to heat.	Metals, oxidizing materials

Hazardous Decomposition Products	Possibility of Hazardous Reactions
Oxides of nitrogen	Will not polymerize.

# **Section 11: Toxicology Information**

#### **Acute Effects**

**Physical State** 

Oral LD50	Dermal LD50	Inhalation
Not available	Not available	Nausea, vomiting, difficulty breathing, headache, drowsiness, dizziness, tingling sensation, loss of coordination, convulsions, coma

Eye Irritation	Skin Irritation	Sensitization
Contact with rapidly expanding gas may cause	No information on significant adverse effects	Difficulty breathing
burns or frostbite		

### **Chronic Effects**

Carcinogenicity	Mutagenicity	Reproductive Effects	Developmental Effects
Not hazardous	Not available	Not available	No data

## **Section 12: Ecological Information**

**Fate and Transport** 

Eco toxicity	Persistence / Degradability	Bioaccumulation / Accumulation	Mobility in Environment
Fish toxicity: Not available	Not available	Not available	Not available
Invertibrate toxicity: Not available			
Algal toxicity: Not available			
Phyto toxicity: Not available			

page 3 of 5

Date of Preparation: 9/26/2022 10:50:05 AM

Other toxicity: Not available		

## **Section 13: Disposal Considerations**

Dispose in accordance with all applicable regulations.

## **Section 14: Transportation Information**

#### U.S. DOT 49 CFR 172.101

Proper Shipping Name	ID Number	Hazard Class or Division	Packing Group	Labeling Requirements	Passenger Aircraft or Railcar Quantity Limitations	Cargo Aircraft Only Quantity Limitations	Additional Shipping Description
Nitrogen, compressed	UN1066	2.2	Not applicable	2.2	75 kg or L	150 kg	N/A

**Canadian Transportation of Dangerous Goods** 

Shipping Name	UN Number	Class	Packing Group / Risk Group
Nitrogen, compressed	UN1066	2.2	Not applicable

## **Section 15: Regulatory Information**

**U.S. Regulations** 

CERCLA Sections	SARA 355.30	SARA 355.40
Not regulated.	Not regulated.	Not regulated.

### **SARA 370.21**

Acute	Chronic	Fire	Reactive	Sudden Release
Yes	No	No	No	Yes

## **SARA 372.65**

Not regulated.

### **OSHA Process Safety**

Not regulated.

#### **State Regulations**

CA	Pro	position	65

Not regulated.

## Canadian Regulations

WHMIS Classification

Α

**National Inventory Status** 

US Inventory (TSCA)	TSCA 12b Export Notification	Canada Inventory (DSL/NDSL)
Listed on inventory.	Not listed.	Listed on inventory.

Central McGowan page 4 of 5

## **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

Central McGowan Generated by the SDS Manager from AsteRisk, LLC. All Rights Reserved