



Material Safety Data Sheet

1. Product and Company Identification

Product name : **Neon**

Chemical formula : Ne

Synonyms : Neon, Compressed; Ne

Company : Specialty Gases of America, Inc
6055 Brent Dr.
Toledo, OH 43611

Telephone : 419-729-7732

Emergency : 800-424-9300

2. Composition/Information on Ingredients

Components	CAS Number	% Volume
Neon	7440-01-9	100%

3. Hazards Identification

Emergency Overview

May cause difficulty breathing.
Containers may rupture or explode if exposed to heat.

Potential Health Effects

Inhalation : Nausea, vomiting, difficulty breathing, irregular heartbeat, headache, dizziness, disorientation, mood swings, tingling sensation, loss of coordination, suffocation, convulsions, unconsciousness, coma.

Eye contact : Frostbite.

Skin contact : Frostbite.

Ingestion : Ingestion of harmful amounts is unlikely, frostbite.

Chronic Health Hazard : None known.

4. First Aid Measures

General advice : None.

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact : If frostbite or freezing occur, immediately flush with plenty of lukewarm water (105 – 115 F; 41 – 46 C). DO NOT USE HOT WATER. If warm water is not available, gently wrap affected parts in blankets. Get immediate medical attention.

Ingestion : If a large amount is swallowed, get immediate medical attention.

Inhalation : 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.

Note to physician : For inhalation, consider oxygen.

5. Fire-Fighting Measures

Suitable extinguishing media : Carbon dioxide, regular dry chemical.
Large fires: Use regular foam or flood with fine water spray.
Specific hazards : Negligible fire hazard. Containers may rupture or explode if exposed to heat.
Fire fighting : Move container from fire area if it can be done without risk. Cool containers with water spray until well after fire is out. Stay away from ends of tanks. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For tank, rail car or tank truck, evacuation radius: 800 meters (1/2 mile).

6. Accidental Release Measures

Personal precautions : None.
Environmental precautions : None.
Methods for cleaning up : Stop leak if possible without personal risk. Keep unnecessary people away, isolate hazard area and deny entry.
Additional advice : None.

7. Handling and Storage

Handling

Secure cylinder when using to protect from falling. Use suitable hand truck to move cylinders.

Storage

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

8. Exposure Controls / Personal Protection

Engineering measures

None.

Personal protective equipment

Respiratory protection : Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from maximum to minimum. Consider warning properties before use.
For unknown concentrations or immediately dangerous to life or health – Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive pressure mode in combination with a separate escape supply.
Any self-contained breathing apparatus with a full facepiece.
Hand protection : Wear appropriate chemical resistant gloves.
Eye protection : Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin and body protection : Wear appropriate chemical resistant clothing.

9. Physical and Chemical Properties

Form : Gas.
Color : Colorless.
Odor : Odorless.

Molecular weight : 20.179
Vapor pressure : 760 mmHg @ -246 C
Vapor density : 0.6964 (air = 1)
Specific gravity : Not applicable.
Boiling point : -411 F (-246 C)
Freezing point : -416 F (-249 C)
Water solubility : Slightly soluble.
Evaporation rate : Not applicable.

10. Stability and Reactivity

Stability : Stable at normal temperatures and pressure.
Conditions to avoid : Protect from physical damage and heat. Containers may rupture or explode if exposed to heat.
Materials to avoid : None.
Hazardous decomposition products : None.

11. Toxicological Information

Acute Health Hazard

Ingestion : None known.
Inhalation : None known.
Skin : None known.

12. Ecological Information

Not available.

13. Disposal Considerations

Waste from residues / unused products : Dispose in accordance with all applicable regulations.
Contaminated packaging : Return cylinder to supplier.

14. Transport Information

DOT (US only)

Proper shipping name : Neon, Compressed
Class : 2.2
UN/ID No. : UN1065
Labeling : Non-flammable Gas

Further information

Cylinders should be transported in a secure upright position in a well ventilated truck.

15. Regulatory Information

OSHA Process Safety (29 CFR 1910.119) Hazard Class(es)
Not regulated.

TCSA

Material is listed in TSCA inventory.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR 355.30)

Not regulated.

SARA Title III Section 304 Extremely Hazardous Substances (40 CFR 355.40)

Not regulated.

SARA Title III SARA Sections 311/312 Hazardous Categories (40 CFR 370.21)

Acute: Yes

Chronic: No

Fire: No

Reactive: No

Sudden Release: Yes

SARA Title III Section 313 (40 CFR 372.65)

Not regulated.

16. Other Information

Prepared by : Specialty Gases of America, Inc.

For additional information, please visit our website at www.americangasgroup.com.