

# **Safety Data Sheet**

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

**Absolute Accuracy** 

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

Product Code: 564

Synonyms: N/A

Recommended Use: CALIBRATION GAS

Usage Restrictions:

### Section 2: Hazards Identification



#### **Hazard Classification:**

Gases Under Pressure
Reproductive Toxicity (Category 1.A)
Specific target organ toxicity (Repeated Exposure) (Category 1)

#### **Hazard Statements:**

Causes damage to organs through prolonged or repeated exposure Contains gas under pressure; may explode if heated May damage fertility or the unborn child

#### **Precautionary Statements**

#### Prevention:

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/ vapors/spray..

Wear protective gloves, protective clothing, eye protection and face protection.

Obtain special instructions before use.

#### Response:

Call a poison center or doctor if you feel unwell.

If exposed or concerned: Get medical advice/attention.

#### Storage:

Protect from sunlight. Store in well-ventilated place. Store locked up.

#### Disposal:

### **Section 3: Composition/Information on Ingredients**

	CAS #	Concentration
Nitrogen Dioxide	10102-44-0	PPM100
Nitric Oxide	10102-43-9	PPM500
Carbon Monoxide	630-08-0	PPM 1000
Nitrogen	7727-37-9	BALANCE

	Chemical Substance	Chemical Family	Trade Names
Nitrogen Dioxide	NITROGEN DIOXIDE	Inorganic gases	Dinitrogen tetroxide Dinitrogen tetroxide, liquefied Nitrogen dioxide, liquefied Nitrogen oxide Nitrogen peroxide Nitrogen peroxide, liquefied Nitrogen tetroxide
Nitric Oxide	NITRIC OXIDE	Inorganic gases	NITROGEN OXIDE (NO); NITRIC OXIDE (NO); NITRIC OXIDE TRIMER; NITROGEN MONOXIDE; NITROGEN MONOOXIDE; NITROGEN OXIDE (N4O4); NITROSYL RADICAL; RCRA P076; STCC 4920330; UN 1660; NO
Carbon Monoxide	CARBON MONOXIDE	Inorganic gases	CARBON OXIDE; CARBON OXIDE (CO); UN 1016; CO
Nitrogen	NITROGEN, COMPRESSED GAS	Inorganic gases	DIATOMIC NITROGEN; DINITROGEN; NITROGEN; NITROGEN-14; NITROGEN GAS; UN 1066; N2

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

	Skin Contact	Eye Contact	Ingestion	Inhalation	Note to Physicians
Nitroge n Dioxide	Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.	Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.	Not applicable route of exposure	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.	None
Nitric Oxide	Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.	Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.	If a large amount is swallowed, get medical attention.	If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.	None

	Skin Contact	Eye Contact	Ingestion	Inhalation	Note to Physicians
Carbon Monoxi de	Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.	Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.	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.
Nitroge n	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
Nitroge n Dioxide	Non-flammable gas. Use suitable extinguishing media for surrounding fire.	Thermal decomposition to give nitric oxide and oxygen when heated above 160 deg C	<ul> <li>Any self-contained breathing apparatus with a full facepiece. Use a chemical protective suit.</li> <li>Any self-contained breathing apparatus with a full facepiece. Use a chemical protective suit.</li> </ul>
Nitric Oxide	Water Do not use dry chemicals, carbon dioxide or halogenated extinguishing agents. Large fires: Flood with fine water spray.	Nitrogen oxides	<ul> <li>Any self-contained breathing apparatus with a full facepiece.</li> <li>Any self-contained breathing apparatus with a full facepiece.</li> </ul>
Carbon Monoxi de	Carbon dioxide, regular dry chemical Large fires: Use regular foam or flood with fine water spray.	Carbon dioxide	<ul> <li>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.</li> <li>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.</li> </ul>
Nitroge n	Non-flammable. Use suitable extinguishing media for surrounding fire. Cylinders may rupture or explode if exposed to heat.	Non-flammable	Respiratory protection may be needed for frequent or heavy exposure.

### Section 6: Accidental Release Measures

	Personal Precautions	Environmental Precautions	Methods for Containment
Nitroge	Keep unnecessary people away, isolate	Avoid heat, flames, sparks and other	Not available.
n	hazard area and deny entry. Stay	sources of ignition. Keep out of water	
Dioxide	upwind and keep out of low areas.	supplies and sewers.	
Nitric	Keep unnecessary people away, isolate	Avoid contamination of water, soil, drains,	Stop leak if possible without personal risk.
Oxide	hazard area and deny entry. Ventilate	and sewers.	
	closed spaces before entering. Avoid		
	contact with combustible materials.		

	Personal Precautions	<b>Environmental Precautions</b>	Methods for Containment
Carbon	Keep unnecessary people away, isolate		Stop leak if possible without personal risk.
Monoxi	hazard area and deny entry. Ventilate	sources of ignition. Keep out of water	Reduce vapors with water spray. Remove
de	closed spaces before entering.	supplies and sewers.	sources of ignition.
Nitroge	Keep unnecessary people away, isolate	No significant effects from contamination	Stop leak if possible without personal risk.
n	hazard area and deny entry. Stay	expected.	
	upwind and keep out of low areas.		

	Methods for Cleanup	Other Information
Nitrogen Dioxide	Contact emergency personnel	None.
Nitric Oxide	Contact emergency personnel.	Notify Local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304). If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Ceter at (800)424-8802 (USA) or (202)426-2675 (USA).
Carbon Monoxide	Stop leak, evacuate area. Wear protective equipment.	Subject to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).
Nitrogen	N/A	N/A

### **Section 7: Handling and Storage**

	Handling	Storage
Nitrogen Dioxide	Store and use with adequate ventilation. Firmly secure cylinders upright to keep them from falling or being knocked over. Screw valve protection cap firmly in place by hand. Store only where temperature will not exceed 125F (52C). Store full and empty cylinders separately. Use a first-in, first-out inventory system to prevent storing full cylinders for long periods.	Do not get liquid in eyes, on skin, or clothing. Protect cylinders from damage. Use a suitable hand truck to move cylinders; do not drag, roll, slide, or drop. Open valve slowly. Close cylinder valve after each use; keep closed even when empty. If valve is hard to open, discontinue use and contact your supplier.
Nitric Oxide	Store and handle in accordance with all current regulations and standards. NFPA 430 Code for the Storage of Liquid and Solid Oxidizing Materials. Notify State Emergency Response Commission for storage or use at amounts greater than or equal to the TPQ (U.S. EPA SARA Section 302). SARA Section 303 requires facilities storing a material with a TPQ to participate in local emergency response planning (U.S. EPA 40 CFR 355.30).	Keep separated from incompatible substances.
Carbon Monoxide	Keep separated from incompatible substances.	Store and handle in accordance with all current regulations and standards. Grounding and bonding required. Subject to storage regulations: U.S. OSHA 29 CFR 1910.101.
Nitrogen	Store and handle in accordance with all current regulations and standards. Subject to storage regulations: U.S. OSHA 29 CFR 1910.101.	Keep separated from incompatible substances.

### **Section 8: Exposure Controls/Personal Protection**

	Exposure Guidelines
Nitrogen Dioxide	TLV-TWA: 3 ppm Short-term Exposure Limits
	(TLV-STEL): 5ppm

	Exposure Guidelines	
Nitric Oxide	NITRIC OXIDE: 25 ppm (30 mg/m3) OSHA TWA 25 ppm ACGIH TWA 25 ppm (30 mg/m3) NIOSH recommended TWA 10 hour(s)	
Carbon Monoxide	CARBON MONOXIDE: 50 ppm (55 mg/m3) OSHA TWA 35 ppm (40 mg/m3) OSHA TWA (vacated by 58 FR 35338, June 30, 1993) 200 ppm (229 mg/m3) OSHA ceiling (vacated by 58 FR 35338, June 30, 1993) 25 ppm ACGIH TWA 35 ppm (40 mg/m3) NIOSH recommended TWA 10 hour(s) 200 ppm (229 mg/m3) NIOSH recommended ceiling	
Nitrogen	NITROGEN, COMPRESSED GAS: NITROGEN: ACGIH (simple asphyxiant)	

Engineering Controls
Handle only in fully enclosed systems.

-	Eye Protection	Skin Protection	Respiratory Protection
Nitrogen Dioxide	Eye protection not required, but recommended.	Wear appropriate chemical resistant clothing.	Any self-contained breathing apparatus with a full facepiece. Use a chemical protective suit.
Nitric Oxide	Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.	Wear appropriate chemical resistant clothing.	Any self-contained breathing apparatus with a full facepiece.
Carbon Monoxide	Eye protection not required, but recommended.	Protective clothing is not required.	Any supplied-air respirator with full facepiece and operated in a pressuredemand or other positive-pressure mode in combination with a separate escape supply.
Nitrogen	Eye protection not required, but recommended.	Protective clothing is not required.	Respiratory protection may be needed for frequent or heavy exposure.

## 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	Appearance	Color	Change in Appearance	Physical Form	Odor	Taste
Nitro gen Dioxi de	Gas	Clear	Yellow to dark brown	N/A	Gas	Pungent odor	N/A
Nitric Oxide	Gas	Clear	Colorless	N/A	Gas	Not available	N/A
Carbo n Mono xide	Gas	Colorless	Colorless	N/A	Gas	Odorless	Tasteless
Nitro gen	Gas	Clear	Colorless	N/A	Gas	Odorless	Tasteless

	Flash Point	Flammability	Partition Coefficient	Autoignitio n Temperatur e	Upper Explosive Limits	Lower Explosive Limits
Nitro gen Dioxi de	Not applicable	Not available	Not available	Nonflammable	Nonflammable	Nonflammable
Nitric Oxide	Not applicable	Not available	Not available	Nonflammable	Nonflammable	Nonflammable

	Flash Point	Flammability	Partition Coefficient	Autoignitio n Temperatur e	Upper Explosive Limits	Lower Explosive Limits
Carb on Mono xide	Flammable	Not available	1479.11 (log = 3.17) (estimated from water solubility)	1128-1202 F (609-650 C)	0.74	12.0-12.5%
Nitro gen	Not flammable	Not available	Not available	Nonflammable	Nonflammable	Nonflammable

	Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity	Water Solubility	рН	Odor Threshol d	Evaporati on Rate	Viscosi ty
Nit rog en Dio xid e	70.1F	12 F (-11 C)	760 mmHg @ 21.1 C	1.58 (air=1)	1.449	Reacts to form nitric acid and nitrous acid; nitrous acid then decompose s to nitric acid and nitric oxide.	Not applic able; solutio ns are very acidic	Reported values vary. 0.11-0.14 ppm (minimum perceptible value)	Not applicable	0.42 cP @ 20 C
Nit ric Oxi de	-242 F (- 152 C)	-263 F (- 164 C)	26000 mmHg @ 20 C	1.036 (Air=1)	Not applicable	7.3% @ 0 C	Not applic able	0.3-1.0 ppm	Not applicable	0.0188 cP @ 25 C
Car bon Mo nox ide	-312.7 F (- 191.5 C)	-326 F (- 199 C)	760 mmHg @ -191 C gas; cannot be liquefied at room temperature	0.968 (Air=1)	Not applicable	2.3% @ 20 C	Not applic able	Not available	Not applicable	0.01657 cP @ 0 C
Nit rog en	-321 F (- 196 C)	-346 F (- 210 C)	760 mmHg @ -196 C	0.967 (Air=1)	Not applicable	1.6% @ 20 C	Not applic able	Not available	Not applicable	0.01787 cP @ 27 C

	Molecular Weight	Molecular Formula	Density	Weight per Gallon	Volatility by Volume	Volatility	Solvent Solubility
Nitro gen Dioxi de	46.01 (NO2) or 92.01 (N2O4)	N-O2 or N2-O4	Not available	Not available	100%	Not available	Soluble: Alkalies, chloroform, carbon disulfide and concentrated nitric and sulfuric acids.
Nitri c Oxid e	30.01	N-O	1.3402 g/L	Not available	Not available	Not applicable	Soluble: Sulfuric acid, alcohol, ferrous sulfate solutions, carbon disulfide
Carb on Mon oxid e	28.01	C-O	1.250 g/L @ 0 C	Not available	100%	Not applicable	Soluble: Alcohol, benzene, acetic acid, ethyl acetate, chloroform, cuprous chloride solutions
Nitro gen	28.0134	N2	1.2506 g/L	Not available	100%	1	Soluble: Liquid ammonia

### Section 10: Stability and Reactivity

	Stability	Conditions to Avoid	Incompatible Materials
Nitrogen	Normally stable. Nitrogen dioxide	Normally stable. Nitrogen dioxide	ACETIC ANHYDRIDE, ALCOHOLS, AMMONIA,
Dioxide	thermally decomposes to nitric oxide	thermally decomposes to nitric oxide	BORON TRICHLORIDE, CALCIUM, DIMETHYL
	and oxygen when heated above 160	and oxygen when heated above 160	SULFOXIDE, FORMALDEHYDE , hydrogen,
	deg C.	deg C.	oxygen, metals

	Stability	Conditions to Avoid	Incompatible Materials
Nitric Oxide	May react on contact with air. May react on contact with water. Releases toxic, corrosive, flammable or explosive gases. May explode during distillation or evaporation.	May react on contact with air. May react on contact with water. Releases toxic, corrosive, flammable or explosive gases. May explode during distillation or evaporation.	Metals, bases, metal oxides, reducing agents, combustible materials, halo carbons, oxidizing materials, halogens, metal carbide, metal salts
Carbon	Stable at normal temperatures and	Stable at normal temperatures and	Oxidizing materials, halogens, metal oxides,
Monoxide	pressure.	pressure.	metals, combustible materials, lithium
Nitrogen	Stable at normal temperatures and	Stable at normal temperatures and	Metals, oxidizing materials
	pressure.	pressure.	

	Hazardous Decomposition Products	Possibility of Hazardous Reactions
Nitrogen Dioxide	Decomposes in water to form nitric acid and nitrous acid.	Will not polymerize.
Nitric Oxide	Oxides of nitrogen	Will not polymerize.
Carbon Monoxide	Oxides of carbon	Will not polymerize.
Nitrogen	Oxides of nitrogen	Will not polymerize.

### **Section 11: Toxicology Information**

#### **Acute Effects**

	Oral LD50	Dermal LD50	Inhalation
Nitroge n Dioxide	LC50 Inhalation Vapor Rat 790 mg/m3 5 minutes	Not available	Respiratory tract irritation, cough, dyspnea, headache, nausea, irregular heartbeat, fatigue, pulmonary edema, rapid breathing, increased heart rate, dyspnea, chest pain, bleeding from the lungs or small airways and cyanosis (bluish discoloration of the skin)
Nitric Oxide	LC50 Inhalation Gas. Rat 1068 mg/m3 4 hours	Not available	Irritation, nausea, vomiting, stomach pain, chest pain, difficulty breathing, headache, dizziness, bluish skin color, lung congestion
Carbon Monoxid e	LC50 Inhalation Gas. Rat 1807 ppm 4 hours	Not available	Changes in body temperature, changes in blood pressure, nausea, vomiting, chest pain, difficulty breathing, irregular heartbeat, headache, drowsiness, dizziness, disorientation, hallucinations, pain in extremities, tremors, loss of coordination, hearing loss, visual disturbances, eye damage, suffocation, blood disorders, convulsions, coma
Nitroge n	Not available	Not available	Nausea, vomiting, difficulty breathing, headache, drowsiness, dizziness, tingling sensation, loss of coordination, convulsions, coma

	Eye Irritation	Skin Irritation	Sensitization
Nitrog en Dioxid e	Irritation	Liquid: burns	Respiratory tract irritation, difficulty breathing, skin irritation, eye irritation
Nitric Oxide	Irritation (possibly severe)	Irritation (possibly severe)	Acute toxicity, Category 1, inhalation; H330: Fatal if inhaled. Skin corrosion, Category 1B; H314: Causes severe skin burns and eye damage.
Carbon Monox ide	No information on significant adverse effects	No information on significant adverse effects	Acute toxicity, Category 3, inhalation; H331: Toxic if inhaled. Reproductive toxicity, Category 1A; H360D: May damage the unborn child. Specific Target Organ Toxicity (repeated exposure), Category 1; H372: Causes damage to organs through prolonged or repeated exposure.
Nitrog en	Contact with rapidly expanding gas may cause burns or frostbite	No information on significant adverse effects	Difficulty breathing

### **Chronic Effects**

	Carcinogenicity	Mutagenicity	Reproductive Effects	Develo pmenta I Effects
Nitroge n Dioxide	May be a carcinogen	Mutagenic	May have reproductive effects.	No data

	Carcinogenicity	Mutagenicity	Reproductive Effects	Develo pmenta I Effects
Nitric Oxide	Not available	Available.	Not available	No data
Carbon Monoxi de	Not available	Available.	Available.	No data
Nitroge n	Not hazardous	Not available	Not available	No data

### **Section 12: Ecological Information**

**Fate and Transport** 

	Eco toxicity	Persistence / Degradability	Bioaccumulation / Accumulation	Mobility in Environment
Nitro gen Dioxi de	Fish toxicity: Acute LC50 19600 ug/L Fresh water Fish - Tench - Tinca tinca - LARVAE - 20 days - 11.18 mm - 11.36 mg 96 hours Invertibrate toxicity: Acute LC50 79450 ug/L Marine water Crustaceans - Redtail prawn - Penaeus penicillatus - 3.58 to 4.75 cm - 0.4 to 0.69 g 48 hours Algal toxicity: Not available Phyto toxicity: Not available Other toxicity: Not available	Not available	Not available	Not available
Nitric Oxide	Fish toxicity: Not available Invertibrate toxicity: Not available Algal toxicity: Not available Phyto toxicity: Not available Other toxicity: Not available	Readily biodegrades	Not available	Not expected to leach through the soil or the sediment.
Carbo n Mono xide	Fish toxicity: 75000 ug/L 1 day(s) LC100 (Mortality) Orangespotted sunfish (Lepomis humilis) Invertibrate toxicity: Not available Algal toxicity: Not available Phyto toxicity: Not available Other toxicity: Not available	Relatively non-persistent in the environment. Highly volatile from water.	Not available	Not expected to leach through the soil or the sediment.
Nitro gen	Fish toxicity: Not available Invertibrate toxicity: Not available Algal toxicity: Not available Phyto toxicity: Not	Not available	Not available	Not available

available		
Other toxicity: Not		
available		

### **Section 13: Disposal Considerations**

Nitrogen Dioxide	Dispose in accordance with all applicable federal and local regulations.
Nitric Oxide	Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001. D003. Dispose in accordance with all applicable regulations.
Carbon Monoxide	Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001.
Nitrogen	Dispose in accordance with all applicable regulations.

### **Section 14: Transportation Information**

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

#### **DOT Information For This Mixture**

Shipping Name	Compressed gas, n.o.s. (Nitrogen, Carbon Monoxide)
UN Number	UN1956
Hazard Class	2.2
Hazard Information	Non-Flammable Gas

**Individual Component Information** 

	Proper Shipping Name	ID Number	Hazard Class or Division	Packing Group	Labeling Requiremen ts	Passenger Aircraft or Railcar Quantity Limitations	Cargo Aircraft Only Quantity Limitations	Additional Shipping Descriptio n
N it r o g e n D io xi d e	DINITROGEN TETROXIDE; or NITROGEN DIOXIDE	UN1067	2.3, 5.1	Not applicable	DINITROGEN TETROXIDE	Forbidden	Forbidden	N/A
N it ri c O xi d e	Nitric oxide, compressed	UN1660	2.3	Not applicable	2.3; 5.1;8	Forbidden	Forbidden	Toxic- Inhalation Hazard Zone A

	Proper Shipping Name	ID Number	Hazard Class or Division	Packing Group	Labeling Requiremen ts	Passenger Aircraft or Railcar Quantity Limitations	Cargo Aircraft Only Quantity Limitations	Additional Shipping Descriptio n
C arbon M on oxi d e	Carbon monoxide, compressed	UN1016	2.3	Not applicable	2.3; 2.1	Forbidden	25 kg	Toxic- Inhalation Hazard Zone D
N it r o g e n	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
Nitr oge n Dio xid e	DINITROGEN TETROXIDE; or NITROGEN DIOXIDE	UN1067	2.3	Not applicable
Nitr ic Oxi de	Nitric oxide, compressed	UN1660	2.3; 5.1; 8	Not applicable
Car bon Mo nox ide	Carbon monoxide, compressed	UN1016	2.3; 2.1	Not applicable
Nitr oge n	Nitrogen, compressed	UN1066	2.2	Not applicable

### Section 15: Regulatory Information

**U.S.** Regulations

	CERCLA Sections	SARA 355.30	SARA 355.40
Nitrog en Dioxid e	Not regulated.	100 LBS TPQ	10 LBS RQ
Nitric Oxide	10 LBS RQ	100 LBS TPQ	10 LBS RQ
Carbon Monox ide	Not regulated.	Not regulated.	Not regulated.
Nitrog en	Not regulated.	Not regulated.	Not regulated.

### SARA 370.21

	Acute	Chronic	Fire	Reactive	Sudden Release
Nitr	Yes	No	Yes	No	Yes

ogen Diox ide					
Nitri	Yes	No	No	No	Yes
C					
Oxid					
е					
Carb on Mon oxid	Yes	No	Yes	No	Yes
e N:+	Vac	No	No	No	Vac
Nitr ogen	Yes	No	No	No	Yes

#### **SARA 372.65**

Nitrogen Dioxide	N/A
Nitric Oxide	Not regulated.
Carbon Monoxide	Not regulated.
Nitrogen	Not regulated.

### **OSHA Process Safety**

Nitrogen Dioxide	Not available
Nitric Oxide	250 LBS TQ
Carbon Monoxide	Not regulated.
Nitrogen	Not regulated.

#### **State Regulations**

	CA Proposition 65
Nitrogen Dioxide	Not regulated
Nitric Oxide	Not regulated.
Carbon Monoxide	WARNING: This product can expose you to chemicals including Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
Nitrogen	Not regulated.

#### **Canadian Regulations**

Odinadian regulations	Surfacial Regulations	
	WHMIS Classification	
Nitrogen Dioxide	A, C, D1A, D2B, E	
Nitric Oxide	ACD1	
Carbon Monoxide	A, B1, D1A, D2A.	
Nitrogen	A	

#### **National Inventory Status**

	US Inventory (TSCA)	TSCA 12b Export Notification	Canada Inventory (DSL/NDSL)
Nitro gen Dioxi de	Listed on inventory.	Listed	Listed on inventory.
Nitri c Oxid e	Listed on inventory.	Not listed.	Not determined.
Carb on Mono xide	Listed on inventory.	Not listed.	Listed on inventory.
Nitro gen	Listed on inventory.	Not listed.	Listed on inventory.

### **Section 16: Other Information**

	NFPA Rating	
Nitrogen Dioxide	HEALTH=3 FIRE=0 REACTIVITY=0 SPECIAL=W-1 OX	
Nitric Oxide	HEALTH=4 FIRE=0 REACTIVITY=1 SPECIAL=OX	

Carbon Monoxide	HEALTH=2 FIRE=4 REACTIVITY=0
Nitrogen	HEALTH=0 FIRE=0 REACTIVITY=0 SPECIAL=SA

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