

Prepared to U.S. OSHA, ANSI, Canadian WHMIS 2015 Standards, and European Directives

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

<b>1.1 Trade Name (as labeled):</b>	Nitrous Oxide Charger
Synonyms:	None applicable
CAS No:	Mixture
<b>1.2 Product Use:</b>	For use only in portable gas appliances
<b>1.3 Company Name:</b>	<b>Mr.Bar-B-Q Products LLC</b>
Company Address:	10 Commerce Drive
Company Address Cont:	Hauppauge, NY 11788
Business Phone:	(516) 962-2388
Website:	<a href="https://mrbarbqproducts.com">https://mrbarbqproducts.com</a>
<b>1.4 Emergency Telephone Number:</b>	<b>P.E.R.S (800)633-8253</b>
Date of Current Revision:	January 01, 2021
Date of Last Revision:	January 01, 2018

**SECTION 2 - HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW:** Liquefied gas under pressure.

**Health Hazards:** Oxygen levels below 19.5% may cause asphyxia, use only with adequate ventilation. May cause drowsiness or dizziness.

**Flammability Hazards:** Oxidizing gas that may cause or intensify fire.

**Reactivity Hazards:** None.

**Environmental Hazards:** The environmental effects of this product have not been investigated, however release may cause adverse environmental effects.

**US DOT Symbols:**



**EU and GHS Symbols:**



Signal Word:

**Danger**

**2.1 EU Labeling and Classification:**

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

**EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:**

**Index Number:** 233-032-0 is not listed in Annex VI

Substances not listed either individually or in group entries must be self classified.

**Components Contributing to Classification:** Nitrogen Oxide

**2.2 Label Elements:**

**GHS Hazard Classifications:**

Oxidising gases Category 1  
Gases under pressure ( Liquefied Gas)  
STOTS SE Category 3 ( Drowsiness )

**Hazard Statements:**

H270 May cause or intensify fire; oxidizer.  
H280 Contains gas under pressure, may explode if heated  
H336 May cause drowsiness or dizziness

**Prevention Statements:**

P220 Keep/Store away from clothing and combustible materials.  
P244 Keep valves and fittings free from oil and grease  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.

**Response Statements:**

P370+P376 In case of fire: Stop leak if safe to do so.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTER/Doctor if you feel unwell.  
 P410+P403 Protect from sunlight. Store in well-ventilated place.  
 P405 Store locked up.  
 P501 Dispose of in accordance with local/regional/national/international regulations.

**Storage Statements:****Disposal Statements:****2.3 Health Hazards or Risks From Exposure:****Symptoms of Overexposure by Route of Exposure:**

The most significant routes of overexposure for this product is by inhalation. The symptoms of overexposure are described in the following paragraphs.

**Acute:**

Inhalation: May cause drowsiness, or dizziness. Asphyxia can occur with high concentration levels.  
 Skin Contact: Gas vapors are not irritating. Freeze burns are possible if skin is in contact with liquid.  
 Eye Contact: Gas vapors are not irritating. Freeze burns are possible if eyes come in contact with liquid.  
 Ingestion: No significant adverse effects are anticipated under normal conditions. Liquid can cause freeze burns

**Chronic:** No data available

**Target Organs:**

Acute: Respiratory  
 Chronic: No data available

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous Ingredients:	WT%	CAS No.	EINECS No.	Hazard Classification
Nitrogen Oxide	100%	10024-97-2	233-032-0	Ox. Gas Cat 1, Press. Gas
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).				

**Note:** All WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format and WHMIS 2015. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250:2000

**SECTION 4 - FIRST AID MEASURES****4.1 Description of First Aid Measures:****Eye Contact:**

If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.

**Skin Contact:**

Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

**Inhalation:**

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

**Ingestion:**

If product is swallowed, call physician or poison center immediately. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

**Medical Conditions Generally Aggravated by Exposure:**

Pre-existing respiratory system problems may be aggravated by prolonged contact.

**4.2 Symptoms and Effects Both Acute and Delayed:**

Inhalation may cause drowsiness / dizziness. Contact with liquid to the skin or eyes may cause freeze burns.

**4.3 Recommendations to Physicians:**

Treat symptoms and eliminate overexposure.



**SECTION 5 - FIRE FIGHTING MEASURES**

**5.1 Fire Extinguishing Materials:**

Use the following fire extinguishing materials:

**Water Spray:** Yes  
**Foam:** Yes  
**Halon:** Yes

**Carbon Dioxide:** Yes  
**Dry Chemical:** Yes  
**Other:** Any "C" Class

**5.2 Unusual Fire and Explosion Hazards:**

If safe to do, address leak or shut off the source.

Explosive Sensitivity to Mechanical Impact: Yes  
 Explosive Sensitivity to Static Discharge: Yes

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

**5.3 Special Fire-Fighting Procedures:**

NFPA RATING SYSTEM	HMIS RATING SYSTEM HAZARDOUS MATERIAL IDENTIFICATION SYSTEM																		
<p style="text-align: center;">Flammability 0 Health 2 Reactivity 0 OX Other</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00AEEF; color: white; text-align: center;"><b>HEALTH HAZARD (BLUE)</b></td> <td style="text-align: center;"><b>2</b></td> </tr> <tr> <td style="background-color: #D62728; color: white; text-align: center;"><b>FLAMMABILITY HAZARD (RED)</b></td> <td style="text-align: center;"><b>0</b></td> </tr> <tr> <td style="background-color: #FFD700; color: black; text-align: center;"><b>PHYSICAL HAZARD (YELLOW)</b></td> <td style="text-align: center;"><b>3</b></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">PROTECTIVE EQUIPMENT</th> </tr> <tr> <th style="width: 25%;">EYES</th> <th style="width: 25%;">RESPIRATORY</th> <th style="width: 25%;">HANDS</th> <th style="width: 25%;">BODY</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">See Sect 8</td> <td style="text-align: center;"></td> <td style="text-align: center;">See Sect 8</td> </tr> </tbody> </table> <p style="text-align: center; font-size: small;">For Routine Industrial Use and Handling Applications</p>	<b>HEALTH HAZARD (BLUE)</b>	<b>2</b>	<b>FLAMMABILITY HAZARD (RED)</b>	<b>0</b>	<b>PHYSICAL HAZARD (YELLOW)</b>	<b>3</b>	PROTECTIVE EQUIPMENT				EYES	RESPIRATORY	HANDS	BODY		See Sect 8		See Sect 8
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	See Sect 8		See Sect 8																
<p><b>Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard</b></p>																			

**SECTION 6 - ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)**

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Avoid breathing vapours and ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

**6.2 Environmental Precautions:**

Prevent further leakage or spillage if safe to do so. Keep out of sewers, storm drains, surface waters, and soils.

**6.3 Spill and Leak Response:**

**Small Spills:**

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.

**Large Spills:**

- Approach spill areas with caution.
- Create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material.
- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).



**SECTION 7 - HANDLING AND STORAGE****7.1 Precautions for Safe Handling:**

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling.

**7.2 Storage and Handling Practices:**

Contents under pressure. Keep container closed when not in use and store in well ventilated area.

**7.3 Specific Uses:**

For use only in portable gas appliances.

**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION****8.1 Exposure Parameters:**

<b>Ingredients</b>	<b>CAS No.</b>	<b>OSHA</b>	<b>ACGIH</b>
Nitrogen Oxide	10024-97-2	TWA 25 ppm, 46 mg/m <sup>3</sup>	TWA 50 ppm

**8.2 Exposure Controls:****Ventilation and Engineering Controls:**

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**Respiratory Protection:**

Not required for properly ventilated areas.

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**Eye Protection:**

Safety glasses or goggles are recommended.

If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**Hand Protection:**

Chemical resistant gloves are recommended to prevent skin contact.

If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**Body Protection:**

Use body protect appropriate to task being performed.

If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on Basic Physical and Chemical Properties:**

**Appearance (Physical State and Color):** Clear Liquid

**Odor:** None

**Odor Threshold:** No data available

**pH:** No data available

**Melting/Freezing Point:** No data available

**Boiling Point:** -127°F (-88°C)

**Flash Point:** No data available

**Evaporation Rate:** Not applicable

**Flammability (Solid; Gas):** Non-Flammable Gas

**Upper/Lower Flammability or Explosion Limits:** 1.9 – 8.5



Vapor Pressure (mm Hg @ 20°C (68° F): No data available

Vapor Density: 1.52

Relative Density: 1.53 at 20°C

Specific Gravity: Not data available

Solubility in Water: No data available

Weight per Gallon: No data available

Partition Coefficient (n-octanol/water): No data available

Auto-Ignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

**9.2 Other Information:** No data available

## **SECTION 10 - STABILITY AND REACTIVITY**

**10.1 Reactivity:** This product is an oxidizer gas.

**10.2 Stability:** Stable under conditions of normal storage and use.

**10.3 Possibility of Hazardous Reactions:** No data available

**10.4 Conditions to Avoid:** Avoid direct sunlight.

**10.5 Incompatible Substances:** Aluminum, boron oxides, hydrazine, strong reducing agents.

**10.6 Hazardous Decomposition Products:** No data available

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

### **11.1 Information on Toxicological Effects:**

**Toxicity Data:** No data available

**Suspected Cancer Agent:** Ingredients within this product are not found on one or more of the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be cancer-causing agents by these agencies.

**Irritancy:** Not expected to be an irritant.

**Sensitization to the Product:** This product is not expected to cause skin sensitization.

**Germ Cell Mutagenicity:** This product does not contain ingredients that are suspected to be a germ cell mutagenic.

**Reproductive Toxicity:** This product is not expected to be a human reproductive toxicant.

## **SECTION 12 - ECOLOGICAL INFORMATION**

**12.1 Toxicity:** No data available

**12.2 Persistence and Degradability:** No specific data available on this product.

**12.3 Bioaccumulative Potential:** No specific data available on this product.

**12.4 Mobility in Soil:** No specific data available on this product.

**12.5 Results of PBT and vPvB Assessment:** No specific data available on this product.

**12.6 Other Adverse Effects:** No data available

**12.7 Water Endangerment Class:** At present, there are no ecotoxicological assessments for this product.

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

**13.1 Waste Treatment Methods:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of EU Member States and Canada.

**13.2 EU Waste Code:** Not determined



**SECTION 14 - TRANSPORTATION INFORMATION****14.1 U.S. Department of Transportation (DOT) Shipping Regulations:**

*This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.*

<b>UN Identification Number:</b>	UN1070
<b>Proper Shipping Name:</b>	Nitrous Oxide
<b>Hazard Class Number and Description:</b>	Class 2.2 / 5.1 – Gas Under Pressure / Oxidizer
<b>Packing Group:</b>	Not applicable
<b>DOT Label(s) Required:</b>	Gas Under Pressure / Oxidizer
<b>North American Emergency Response Guidebook Number:</b>	122
<b>Limited Quantity</b>	Passenger Aircraft / Rail: 75 kg Cargo Aircraft: 150 kg

**14.2 Environmental Hazards:**

**Marine Pollutant:** The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

**14.3 Special Precaution for User:**

None

**14.4 International Air Transport Association Shipping Information (IATA):**

This product is considered as dangerous goods.

**14.5 International Maritime Organization Shipping Information (IMO):**

This product is considered as dangerous goods.

**SECTION 15 - REGULATORY INFORMATION****15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:****United States Regulations:****U.S. SARA Reporting Requirements:**

The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**U.S. SARA 311/312:**

Acute Health: No; Chronic Health: No; Fire: No; Reactivity: Yes

**U.S. CERCLA Reportable Quantity**

None.

**U.S. TSCA Inventory Status:**

The components of this product are listed on the TSCA Inventory or are exempted from listing.

**Other U.S. Federal Regulations:**

None known.

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):**

This product does not contain ingredients on the Proposition 65 Lists

**15.2 Canadian Regulations:****Canadian DSL/NDSL Inventory Status:**

Components are DSL Listed, NDSL Listed and/or are exempt from listing

**Other Canadian Regulations:**

Not applicable

**Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian WHMIS Classification:**

This product has been classified per WHMIS 2015 standards.

**15.3 European Economic Community Information:**

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

**Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**15.4 Australian Information for Product:**

Components of this product are listed on the International Chemical Inventory list.



**15.5 Japanese Information for Product:**

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

**15.6 International Chemical Inventories:**

Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

**SECTION 16 - ADDITIONAL INFORMATION**

Prepared By: Chris Eigbrett (MSDS to GHS Compliance)

Date of Printing: January 01, 2021

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. Mr.Bar-B-Q Products LLC assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Mr.Bar-B-Q Products LLC assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

**END OF SDS SHEET**

