OFI TESTING EQUIPMENT, INC.
MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Chemical Name:	NITROUS OXIDE GAS
Trade Name:	N_2O CARTRIDGES
OFI Part No.	143-08
Chemical Family:	Dinitrogen monoxide, laughing gas
Formula:	N_2O
Manufacturer:	OFI Testing Equipment, Inc. 1006 West 34th Street Houston, TX 77018 U.S.A. (713) 880-9885
In Case of Emergency Spills, Leaks, Fire, Exposure or Accident:	In the USA, call INFOTRAC at 1-800-535-5053 day or night Outside the USA, call collect, (352) 323-3500

SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	CHEMICAL NAME	
10024-97-2	Nitrous Oxide	> 99.0%

SECTION III - HAZARD IDENTIFICATION

Emergency Overview: Prompt Medical Attention Is Mandatory In All Cases Of Overexposure To Nitrous Oxide. Rescue Personnel Should Be Equipped With Self-Contained Breathing Apparatus.

Inhalation: Material acts as a Simple Asphyxiant by Displacing Air Necessary for Life. Symptoms Include Rapid Respiration, Muscular Incoordination, Dizziness, Fatigue, Nausea, Vomiting, Unconsciousness and Death. Inhalation of Small Amounts may Produce Feelings of Euphoria which may Disguise Sleepiness or Loss of Cooridination Associated with Lack of Oxygen. May Cause Aneshetic Effects.

Ingestion: No Information Found.

Skin: Pressure drop Through Valves and Piping may Cause Extreme Cold and Frostbite on Contact.

Eye Contact: No Information Found.

Chronic Exposure: No Information Found.

Aggravated by Exposure: Not Known.

SECTION IV - FIRST AID MEASURES

Inhalation: Immediately Remove Victim to Fresh Air. If Breathing has Stopped, Give Artificial Respiration. If Breathing is Difficult, Give Oxygen and Get Medical Attention.

Ingestion: No Information Found.

Skin: If Frostbite Occurs, Flush Affected Areas with Lukewarm Water. Do Not Use Hot Water. Get Medical Attention.

Eyes: No Information Found.

SECTION V - FIRE FIGHTING MEASURES

Fire: Not Considered to be a Fire Hazard. Non-Flammable Gas.

Explosion: Not Considered to be an Explosion Hazard. Cartridge Rupture may Occur Under Fire Conditions. Use What is Appropriate for Surrounding Fire.

Fire Extinguishing Media: In the Event of Fire, Wear Full Protective Clothing and NIOSH-Approved Self-Contained Breathing Apparatus with Full Facepiece Operated in the Pressure Demand or Other Positive Pressure Mode. Keep Cartridges Cool with Water Spray.

Special Information:

SECTION VI - ACCIDENTAL RELEASE MEASURES

Ventilate Area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 7. Shut Off Source if Possible and Remove Source of Heat. Remove Leaking Cylinder to Exhaust Hood or Safe Outdoor Area if This can be Done Safely.

SECTION VII - HANDLING AND STORAGE

Store in well Ventilated Areas and Away from Heat. Protect Containers from Physical Damage. Do Not Deface Cylinders or Labels. Cylinders should be Refilled by Qualified Producers of Compressed Gas. Store Away from Oils and Greases.

SECTION VIII - EXPOSURE CONTROL / PERSONAL PROTECTION

Ventilation System:	A System of Local and/or General Exhaust is Recommended to Keep Employee Exposures Below the Airborne Exposure Limits. Local Exhaust Ventilation is Generally Preferred Because it can Control the Emissions of the Contaminant at its Source, Preventing Dispersion of it into the General Work Area.
Airborne Exposure Limits:	ACGIH Threshold Limit Value (TLV), 50 ppm, OSHA (PEL) Simple Asphyxiant, (STEL) None Established.
Personal Respirators: (NIOSH APPROVED)	Use a Self-Contained Breathing Apparatus in Case of Emergency or Non-Routine Use.
Skin Protection:	Loose Fitting Gloves or Impermeable Material, Such as Leather, When Working with Cold Liquid, Solid or Vapor.
Eye Protection:	Use Safety Glasses.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor:	Colorless / Slightly Sweet Taste and Odor.
Solubility:	1.3 @ 32 ^{0}F (0 ^{0}C) - (v/v) in water.
Density:	Gas
pH:	No Information Found
% Volatiles by Vol.:	No Information Found
Melting Point:	No Information Found
Boiling Point:	- 88.6 ^{0}C
Vapor Density (Air=1):	1.53 @ 25 ^{0}C
Vapor Pressure (mmHg):	51.69

SECTION X - STABILITY AND REACTIVITY

General Reactivity:	Stable Under Ordinary Conditions of Use and Storage.
Hazardous Decomposition:	None.
Incompatibilities:	LiH and Hydrazine Spontaneously Ignite in Material. Forms Explosive Mixes with NH_3, CO, H_2S, PH_3, and Silane. Avoid Contact with Combustable Materials or Reducing Agents. Powdered Aluminum Amorphous Boron and Sodium Vapor will Burn in Material. Nitrous Oxide Decomposes to Nitrogen and Oxygen above 1,049 ^{0}F (565 ^{0}C).
Hazardous Polymerization:	Will Not Occur.

SECTION XI - TOXICOLOGICAL INFORMATION

NTP Carcinogen - Known: No, IARC Category- None

SECTION XII - ECOLOGICAL INFORMATION

No adverse ecological effects expected.

SECTION XIII - DISPOSAL CONSIDERATIONS

Dispose of Non-Refillable Cylinders in Accordance with Federal, State and Local Regulations. Allow Gas to Vent Slowly to Atmosphere in an Unconfined Area or Exhaust Hood. If the Cylinders are the Refillable Type, Return Cylinders to Supplier with any Valve Outlet Plugs or Caps Secured and Valve Protection Caps in Place.

SECTION XIV - TRANSPORT INFORMATION

Shipping Name:	NITROUS OXIDE
Hazard Class:	2.2
Identification No.:	UN1070

SECTION XV - REGULATORY INFORMATION

The following selected regulatory requirements may apply to this product. Not all such requirements are identified. Users of this product are solely responsible for compliance with all applicable federal, provincial, and local regulations.

WHMIS:

CLASS A: Compressed gas.
CLASS C: Oxidizing material.
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

EINECS: Not Available.

International Lists: No products were found.

SECTION XVI - OTHER INFORMATION

NFPA Rating: HEALTH-1, FLAMMABILITY-0, REACTIVITY-0

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