

MSDS

 **microflame** a division of
Azure Moon Trading Corp
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Part # 1001

PRODUCT IDENTIFICATION:

Product Name: Micronox (Nitrous Oxide)
General Use: Mini Torch
Manufacturer: Leland Limited, Inc.
Address: 2614 South Clinton Ave.
South Plainfield, NJ 07080
Telephone: 908-668-1008
Emergency Number: CHEMTREC 800-424-9300

MATERIAL ANALYSIS:

Component or Material Chemical Name:
Nitrous Oxide (N₂O) CAS# 10024-97-2 100%
Chemical Family: Inorganic Gas UN1070
Molecular Wt: 44.01

CERCLA Ratings (Scale 0-3): Health=U, Fire=0, Reactivity=0, Persistence=0

NFPA Ratings (Scale 0-4): Health=U, Fire=0, Reactivity=0

Physical State; Appearance: Odorless, colorless, refrigerated, liquefied gas, colorless gas or liquid with a slightly sweet odor and taste.

PHYSICAL DATA:

Description: Colorless Gas or Liquid with a slightly sweet odor and taste
Boiling Point: -88.5°C
Melting Point: -90.8°C
Specific Gravity: 1.8122 G/L @ 25°C
Vapor Pressure: 760 mmHg @ -88°C
Solubility in Water: 59% @ 25°C
Solvent Solubility: Soluble in alcohol, ether, sulfuric acid, alkaline solution, and oils.
Vapor Density: 1.53

FIRE and EXPLOSION HAZARD DATA:

Fire/Explosion Hazard: Gas – Negligible fire hazard when exposed to heat or flame. Cylinder may rupture in heat of fire. Gas-Air mixtures are explosive.

Extinguishing Media: Dry chemical, carbon dioxide, or halon. For larger fires, use water spray or standard foam.

Firefighting: Cool fire-exposed cylinders with water from side until well after fire is out. Use agents suitable for type of fire. Cool cylinders with flooding amounts of water – applied from as far a distance as possible.

REACTIVITY DATA:

Condition to Avoid: Do not permit physical damage or overheating of cylinders. Contents are under pressure; cylinders may rupture and travel a considerable distance. Contact of liquefied gases with water may cause explosions due to rapid temperature fluctuations.

HEALTH HAZARD DATA:

Inhalation – can cause euphoria, drowsiness, and unconsciousness.

First Aid - Fresh air, rest. Refer for medical attention.

Skin – on contact with liquid: Frostbite

First Aid – rinse with plenty of water, do NOT remove clothes. Refer for medical attention.

Eyes - on contact with liquid: Frostbite.

First Aid - First rinse with plenty of warm water for several minutes (remove contact lenses if easily possible), then take to a doctor.

PRECAUTION FOR SAFE HANDLING AND USE:

Steps to Be Taken in Case Material is Released or Spilled: Keep room well ventilated

Waste Disposal Method: Store in accordance with 29 CFR 1910.101. For further assistance, contact the district director of the EPA

Precaution to Be Taken in Handling and Storing: Keep out of heat

Other Precautions: Keep out of fire and any shock

CONTROL MEASURES:

Specific Personal Protective Equipment: None required, goggles and safety gloves recommended.

DEPARTMENT OF TRANSPORTATION INFORMATION:

Hazard Class: Consumer Commodity ORM-D

Notice: This data represents typical values, not product specifications. No guarantee of accuracy or completeness is made. No responsibility is assumed for any kind of loss or damages arising from use of this data.