

**Material Safety Data Sheet NITROUS OXIDE**

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product. The contents and format of this MSDS are in accordance with EC Commission Directive 91/155EEC.

1. **Identification**  
Chemical Description Nitrous Oxide - ID No.: 6007800
2. **Composition**  
Asphyxiant Gas CAS No.: 10024-97-2 EEC No.: 233-032-0
3. **Hazards Identification**  
Asphyxiant gas
4. **First Aid Measures**  
Inhalation Remove from exposure, rest and keep warm. In severe cases obtain medical attention.  
If breathing has stopped, start artificial respiration (Silvester Method) and if pulse and heart have stopped, start external heart massage. Obtain Medical Attention.
5. **Fire Fighting Measures**  
Special Risks n/a  
Extinguishing Media Cool container with water
6. **Accidental Release Measures**  
No special precautions necessary.  
Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water. Stop flow of gas, move leaking cylinder to open air if without risk.
7. **Handling and Storage**  
Handling  
Storage Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.
8. **Exposure controls / Personal Protection (as appropriate to quantities handled)**  
Protective Equipment Goggles or face-shield  
Respiratory Protection Not applicable  
Ventilation Not applicable
9. **Physical and Chemical Properties**  
Appearance/Form Gas  
Colour Colourless  
Odour Sweetish  
Melting Point n/a  
Boiling Point 89°C  
Solubility in water Slightly Soluble
10. **Stability and Reactivity**  
Stability Stable  
Substances to avoid No data
11. **Toxicological information**  
The literature and our own experience have not revealed any hazardous properties. After the uptake of large quantities you may experience: headache, drowsiness, dizziness, euphoria, agitation, spasms, narcosis.
12. **Ecological Information**  
No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.
13. **Disposal Considerations**  
Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.
14. **Transportation Information**  
Correct Technical Name Nitrous Oxide  
UN No 1070 IMDG Class 2.2  
IATA 1070 Packing group 1  
IMO 2.2/1070 Packing group  
ADR/RID 2,5'(a)
15. **Regulatory Information**  
Symbol None  
Risk Phrases None  
Safety Phrases None  
UK Exposure Limits None assigned

**16. Other Information**

All information, recommendations and suggestions herein concerning the above product are based upon data believed to be reliable, however, it is the users responsibility to determine the safety, toxicity, and suitability for his/her own use of the product described herein. The information herein should not be construed as being absolutely complete since additional information may be necessary or desirable when special or exceptional circumstances exist or because of applicable laws or regulations.

**Disclaimer**

The preceding is given in good faith as required under the health and safety at work act 1974, but no warranty is implied or given. The information provided is designed to enable the user to use the product safely. If the information is insufficient to ensure safety in any particular application, contact "the supplier" for further advice before proceeding.

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Rev Date 01.08.07