SCOTT SPECIALTY GASES -- METHANE IN NITROGEN -- 6830-00N024599

----------------------------- Product Identification -----------------------------

Product ID: METHANE IN NITROGEN
MSDS Date: 12/02/1991
FSC: 6830
NIIN: 00N024599
MSDS Number: BMGCH

== Responsible Party ==
Company Name: SCOTT SPECIALTY GASES
Address: ROUTE 611 NORTH
City: PLUMSTEADVILLE
State: PA
ZIP: 18949
Country: US
Info Phone Num: 215-766-8861
Emergency Phone Num: 215-766-8861
CAGE: 51847

== Contractor Identification ==
Company Name: SCOTT SPECIALTY GASES
Address: 6141 EASTON RD (6141 ROUTE 611)
Box: 310
City: PLUMSTEADVILLE
State: PA
ZIP: 18934
Country: US
Phone: 215-766-8861/ FAX: 215-766-0416
CAGE: 51847

----------------------------- Composition/Information on Ingredients -----------------------------

Ingred Name: METHANE
CAS: 74-82-8
RTECS #: PA14900000
Fraction by Wt: 1PPM-10%
ACGIH TLV: ASPHYXIANT

Ingred Name: NITROGEN
CAS: 7727-37-9
RTECS #: QW9700000
Fraction by Wt: BALANCE

----------------------------- Hazards Identification -----------------------------

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation: YES Skin: NO Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: ASPHYXIANT, SYMPTOMS INCLUDE RAPID RESPIRATION, MUSCULAR INCOORDINATION, FATIGUE, NAUSEA AND VOMITING.
Explanation of Carcinogenicity: NOT RELEVANT
Effects of Overexposure: SEE HEALTH HAZARDS.
Medical Conditions Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

----------------------------- First Aid Measures -----------------------------

First Aid: INHAL: REMOVE VICTIM TO FRESH AIR. PERFORM ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. INGEST: CALL MD IMMEDIATELY. EYES: IMMEDIATELY FLUSH WITH POTABLE WATER FOR A MINIMUM OF 15 MINUTES, SEE K ASSISTANCE FROM MD. SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER. CALL MD.

----------------------------- Fire Fighting Measures -----------------------------

Extinguishing Media: USE WHAT IS APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures: USE NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT. KEEP FIRE EXPOSED CYLINDERS COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: NONE

------------------------- Accidental Release Measures -------------------------

Spill Release Procedures: VENTILATE AREA. REMOVE LEAKING CYLINDER TO EXHAUST HOOD OR SAFE OUTDOOR AREA. SHUT OFF SOURCE IF POSSIBLE AND REMOVE SOURCES OF HEAT AND IGNITION.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

---------------------- Handling and Storage ----------------------

Handling and Storage Precautions: STORE IN WELL VENTILATED AREA AWAY FROM OXIDIZERS, SOURCES OF HEAT AND IGNITION. NO PART OF CYLINDER SHOULD BE EXPOSED TO TEMPERATURES ABOVE 125°F.
Other Precautions: DO NOT DEFACE CYLINDERS OR LABELS. MOVE CYLINDERS WITH AN ADEQUATE HAND TRUCK. NO SMOKING WHERE METHANE IS USED. NITROGEN CAN BE USED TO TEST METHANE LINES FOR LEAKING BEFORE USE.

--------- Exposure Controls/Personal Protection ---------

Respiratory Protection: NIOSH/MSHA APPROVED SCBA.
Ventilation: LOCAL AND MECHANICAL EXHAUST RECOMMENDED.
Protective Gloves: IMPERVIOUS GLOVES.
Eye Protection: CHEMICAL WORKERS GOGGLES.
Other Protective Equipment: SAFETY SHOES WHEN HANDLING CYLINDERS.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
VAP DENS: 0.967-0.918 @ 20C.

--------------------- Physical/Chemical Properties ---------------------

Vapor Density: SUPDAT
Solubility in Water: V/V @ 17°C = 0.033
Appearance and Odor: COLORLESS AND ODORLESS.

--------------------- Stability and Reactivity Data ---------------------

Stability Indicator/Materials to Avoid: YES
AVOID MIXING METHANE WITH OXYGEN.
Stability Condition to Avoid: NOT RELEVANT
Hazardous Decomposition Products: NONE

---------------------- Disposal Considerations ----------------------

Waste Disposal Methods: ALLOW GAS TO DISCHARGE AT A SLOW RATE. RETURN DEFECTIVE CYLINDER TO SUPPLIER. DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America, in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.