

INGASCO, INC. -- NITROGEN, TECHNICAL -- 6830-00-432-0354

=====
Product Identification
=====

Product ID:NITROGEN, TECHNICAL

MSDS Date:05/07/1992

FSC:6830

NIIN:00-432-0354

MSDS Number: BWGJV

=== Responsible Party ===

Company Name:INGASCO, INC.

Address:#20 12TH AVENUE WEST, GRACE PARK

City:KALOOKAN CITY, METRO MANILA

Country:RP

Info Phone Num:316-16-11

Emergency Phone Num:316-16-11

Preparer's Name:S

IGNATURE UNREADABLE

CAGE:INGAS

=== Contractor Identification ===

Company Name:INGASCO, INC.

Address:#20 12TH AVENUE WEST, GRACE PARK

Box:City:KALOOKAN CITY, METRO MANILA

Country:RP

Phone:316-16-11

CAGE:INGAS

=====
Composition/Information on Ingredients
=====

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9394

=====
Hazards Identification
=====

Routes of Entry: Inhalation:YES Skin:

n:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EVAPORATION OF THE LIQUID FROM THE

SKIN CAN PRODUCE FROSTBEIT. AVOID NITROGEN LIQUID. IN HIGH

CONCENTRATIONS THIS IS A SIMPLE ASPHYXIAN. DIZZINESS, SHORTNESS OF

BREATH, UNCONSCIOUSNESS OR SUFFOCATION CAN OCCUR. ANY COMPRESS GAS

CAN BE A MECHANICAL HAZARD. CAN CAUSE COMPRESSED AIR ILLNESS

W/CHRONIC OVEREXPOSURE.

Explanation of Carcinogenicity:NOT A CARCINOGEN

Effects of

Overexposure:DIFFICULTY IN BREATHING, DIZZINESS,
UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure:NO KNOWN MEDICAL CONDITION THAT CAN
BE AGGRAVATED BY EXPOSURE.

=====
First Aid Measures
=====

First Aid:EYE OR SKIN CONTACT:WASH W/PLENTY OF CLEAN TAP WATER.
OVERDOSE,UNCONSCIOUSNESS & DIFFICULTY BREATHING:MOVE VICTIM TO A
WELL VENTILATED AREA & PROVIDE SCBA (SELF-CONTAINED BREATHING
APPARATUS).

=====
Fire Fighting Mea
sures
=====

Flash Point:NR

Unusual Fire/Explosion Hazard:THE PRODUCT IS UNDE PRESSURE (1800 PSIG)
& MAY EXPLODE IF EXPOSED TO HIGH TEMPERATURE AND FIRE.

=====
Accidental Release Measures
=====

Spill Release Procedures:MOVE A LEAKING CYLINDER TO OUTDOORS OR
VENTILATED HOOD. ALLOW GAS TO DISCHARGE AT MODERATE RATE.
Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

=====
Handling and Storage
=====

Handli
ng and Storage Precautions:NEVER DROP, BUMP OR ROLL FULL NITROGEN
CYLINDERS. CYLINDERS SHOULD NOT BE SUBJECTED TO TEMPERATURE OVER
125F.

Other Precautions:HMIS:FOLLOW ALL COMPRESSED GAS ASSOCIATION
PROCEDURES.

=====
Exposure Controls/Personal Protection
=====

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS

Ventilation:OPEN WINDOWS AND EXHAUST FAN.

Protective Gloves:LEATHER GLOVES.

Eye Protection:SAFETY EYEGASSES/FACE SHIELDS

Other Protective Equipment:S

SAFETY SHOES AND HEARING DEVICES PROTECTION.

Work Hygienic Practices:WELL VENTILATED AND CLEAN WORKING AREA.

Supplemental Safety and Health

INGASCO ATTACHED 2 PAGES OF GENERAL PROCEDURES ON HOW TO HANDLE GAS CYLINDERS. THESE ARE VERY SIMILAR TO THE PROCEDURES PROMULGATED BY THE COMPRESSED GAS ASSOCIATION IN THE U.S.

===== Physical/Chemical Properties =====

HCC:G3

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:-320F,-196C

Melt/Freeze Pt:M.P/F.P Text:NR

Vapor Dens

ity:0.287

Spec Gravity:0.967

Solubility in Water:SLIGHTLY SOLUBLE

Appearance and Odor:COLORLESS, ODORLESS, TASTELESS, NON TOXIC GAS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

CAN REACT VIOLENTLY WITH LITHIUM, NEODYMIUM, & TITANIUM UNDER CERTAIN CONDITIONS.

Stability Condition to Avoid:SHOCK FROM DROPPING, TEMPERATURES ABOVE 150F.

Hazardous Decomposition Products:MFR GAVE NO INFORMATION ON MSDS.

Conditions to Avoid Poly

merization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSAL SHOULD BE MADE I/AW FEDERAL, STATE & 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 it

s 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.