

INTERMOUNTAIN SPECIALTY GASES -- NITROGEN -- 6505-00-184-8955

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

Product ID:NITROGEN

MSDS Date:12/01/1990

FSC:6505

NIIN:00-184-8955

MSDS Number: BVPYG

=== Responsible Party ===

Company Name:INTERMOUNTAIN SPECIALTY GASES

Address:206-5 E 37TH ST

City:BOISE

State:ID

ZIP:83714

Country:US

Info Phone Num:208-344-7336

Emergency Phone Num:208-344-7336

CAGE:0V1G3

=== Contra

ctor Identification ===

Company Name:INTERMOUNTAIN SPECIALTY GASES

Address:206-5 E 37TH ST

Box:City:BOISE

State:ID

ZIP:83714

Country:US

Phone:208-344-7336

CAGE:0V1G3

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: 100%

OSHA PEL:N/K

ACGIH TLV:ASPHYXIAN

Ingred Name:SUPDAT:HYGIENIST/OTHER TRAINED PERS WHEN YOU MAKE YOUR SFTY
EVAL OF END PROD. REMEMBER, GASES & LIQS HAVE (ING 3)

RTECS #:9999999ZZ

Ingr

ed Name:ING 2:PROPERTIES WHICH CAN CAUSE SERIOUS INJURY/DEATH. BE
SURE TO READ & UNDERSTAND ALL LBLs & OTHER INSTRUCTIONS(ING 4)
RTECS #:9999999ZZ

Ingred Name:ING 3:SUPPLIED W/ALL CNTNRS OF THIS PROD. FOR SFTY INFO ON
GEN HNDLG OF COMPRESSED GAS CYLS, IT IS REC THAT COPY (ING 5)
RTECS #:9999999ZZ

Ingred Name:ING 4:OF PAMPHLET P-1, "SFTY HNDLG OF COMPRESSED GASES IN
CNTNRS," BE OBTAINED FROM COMPRESSED GAS ASSOC, INC, (ING 6)
RTECS #:9999999ZZ

Ingred Name:ING 5:1235 JEFFERSON DAVIS
HIGHWAY, ARLINGTON, VA 22202.
RTECS #:9999999ZZ

===== 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:ACUTE:INGEST:THIS PRODUCT IS A GAS AT
NORMAL TEMPERATURE & PRESSURE. SKIN ABSORPTION:NO EVIDENCE OF
ADVERSE EFFECTS FROM AVAILABLE INFORMATION. INHAL:ASPHYXIANT.
MODERATE CONCEN

TRATIONS MAY CAUSE HEAD ACHE, DROWSINESS, DIZZINESS,
EXCITATION, EXCESS SALIVATION, VOMITING & UNCONSCIOUSNESS. LACK OF
(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:OXYGEN CAN CAUSE DEATH. SKIN
CONTACT:NO HARMFUL EFFECT EXPECTED FROM VAPOR. LIQUID MAY CAUSE
FROSTBITE. EYE CONTACT:NO HARMFUL EFFECTS FROM VAPOR. CHRONIC:NO
EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION.

Medical Cond Aggravated by Exposure:THE TOXICOLOGY
& PHYSICAL &

CHEMICAL PROPERTIES OF MATERIAL DO NOT SUGGEST THAT OVEREXPOSURE IS
LIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

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

First Aid:INGEST:CALL MD IMMED. SKIN:IMMED WARM FROSTBITE AREA W/WARM
WATER (NOT TO EXCEED 105F). IN CASE OF MASSIVE EXPOS, REMOVE CLTHG
WHILE SHOWERING IN WARM WATER. CALL MD. INHAL:REMOVE TO FRESH AIR.
GIVE ARTF RESP IF NOT BRTHG. GIVE OXYGEN IF BRTHG IS DFCLT. CALL
MD.

EYE:IMMED FLUSH THORO W/WATER FOR AT LST 15 MINS. SEE MD, PREF
OPHTHALMOLOGIST IMMED. NOTES TO MD:THERE IS NO SPECIFIC (SUPP DATA)

===== Fire Fighting Measures =====

Extinguishing Media:NITROGEN CANNOT CATCH FIRE. USE MEDIA APPROPRIATE
FOR SURROUNDING FIRE.

Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.
EVACUATE ALL PERS FROM DANGER AREA. IMMED DELUGE CNTNRS W/WATER
SPRAY FROM MAX DIST UNTIL COOL, THEN(SUPDAT)

Unusual Fi

re/Explosion Hazard:GAS CANNOT CATCH FIRE. CNTNR MAY RUPTURE
DUE TO HEAT OF FIRE. NO PART OF CNTNR SHOULD BE SUBJECTED TO TEMP
>52C (APPROX 125F). MOST CNTNRS ARE DESIGNED (SUPDAT)

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

Spill Release Procedures:DANGER:EVACUATE ALL PERS FROM DANGER AREA. USE
NIOSH/MSHA APPRVD SCBA WHERE NEEDED. SHUT OFF LEAK IF W/OUT RISK.
VENTILATE AREA OF LEAK/MOVE LEAKING CNTNR TO WELL-VENTILATED AREA.
TEST AREA, ESP CONFI NED

AREAS FOR SUFFICIENT OXYGEN
CONTENT(SUPDAT)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:CAUTION:HIGH PRESS GAS. USE PIPING &
EQUIP DESIGNED TO W/STAND PRESS TO BE ENCOUNTERED. CAN CAUSE RAPID
SUFFOCATION DUE TO OXYGEN DEFICIENCY.

Other Precautions:STORE & USE W/ADEQ VENT. CLOSE VALVE WHEN NOT IN USE
& WHEN EMPTY. WHEN TWO/MORE GASES/LIQUIFIED GASES ARE MIXED, THEIR
H

AZ PROPERTIES MAY COMBINE TO CREATE ADDNL, UNEXPECTED HAZS. OBTAIN
& EVAL SFTY INFO FOR EACH COMPONENT BEFORE (SUPDAT)

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

Respiratory Protection:SELECT I/A/W OSHA 29 CFR 1910.134. NIOSH/MSHA
APPROVED RESPIRATORS SHALL BE ACCEPTABLE.

Ventilation:LOCAL EXHAUST:PREFERRED. MECHANICAL(GENERAL):ACCEPTABLE.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:SELECT

I/A/W OSHA 29 CFR 1910.132 &
1910.133.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC:MOVE CNTNRS FROM FIRE AREA IF W/OUT RISK. EXPLO HAZ:TO
VENT CONTENTS WHEN THEY ARE EXPOS TO ELEVATED TEMPS. FIRST AID
PROC:ANTIDOTE. TREATMENT SHOULD BE DIRECTED AT CONTROL OF SYMPS &
CLINICAL CNDTN. SPILL PROC:PRIOR TO PERMITTING RE-ENTRY OF PERS.
OTHER PREC:YOU PRDCE MIXT. CONSULT INDUS (ING 2)

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

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

Melt/Freeze Pt:M.P/F.P Text:-346F,-210C

Vapor Pres:GAS

Vapor Density:0.967

Spec Gravity:GAS

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS GAS AT NORMAL TEMPERATURE & PRESSURE.

Percent Volatiles by Volume:100

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

UNDER CERTAIN CNDTNS, NITROGEN CAN REACT VIOLENTLY W/LITHIUM,
NEODYMIUM, TITANIUM, OZONE.

Stabi

lity Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE.

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Disposal Considerations =====

Waste Disposal Methods:SLOWLY RELEASE INTO ATMOSPHERE. DISCARD ANY
PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN
ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE W/FEDERAL,
STATE & LOCAL REGULATIONS.

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