

MG INDUSTRIES -- NITROGEN/COMPRESSED GAS -- 9135-00-985-7080

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

Product ID:NITROGEN/COMPRESSED GAS

MSDS Date:03/24/1993

FSC:9135

NIIN:00-985-7080

Status Code:A

MSDS Number: CJHNZ

=== Responsible Party ===

Company Name:MG INDUSTRIES

Address:3 GREAT VALLEY PKY

City:MALVERN

State:PA

ZIP:19355-1424

Country:US

Info Phone Num:610-695-7449

Emergency Phone Num:301-796-8845

/CHEMTREC 800-424-9300

CAGE:08772

=== Contractor Identification ===

Company Name:MG INDUSTRIES

Address:3 GREAT VALLEY PKY

Box:City:MALVERN

State:PA

ZIP:19355-1424

Country:US

Phone:610-695-7400 / 610-695-7449

CAGE:08772

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

= Wt:100.

Other REC Limits:NONE SPECIFIED

ACGIH TLV:ASPHYXIAN; 9192

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

Routes of Entry:

Inhalation: YES Skin: NO Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: INHALATION: SHORT TERM EXPOSURE, MAY CAUSE SUFFOCATION. SKIN IRRITATION.
Effects of Overexposure: IRRITATION, NAUSEA, VOMITING, DRUNKENESS, TINGLING SENSATION, SUFFOCATION, CONVULSIONS, COMA, IRRITATION, DIFFICULTY BREATHING.
Medical Cond Aggravated by Exposure: NONE KNOWN.

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

First Aid: INHALATION
: REMOVE FROM EXPOSURE. USE A BAG VALVE MASK/SIMILAR DEVICE TO PERFORM ARTIFICIAL RESPIRATION IF NEEDED. KEEP WARM & AT REST. SKIN: WASH IF NEEDED. IF FROSTBITE, FREEZING/CRYOGENIC BURNS OCCUR, WARM AFFECTED AREA IN WARM WATER. EYES: WASH IMMEDIATELY W/LARGE AMOUNTS OF WATER. CONTINUE IRRIGATING W/NORMAL SALINE, COVER W/STERILE BANDAGES. INGESTION: IF VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO HELP ASPIRATION. FOR INHALATION CONSIDER OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Extinguishing Media: USE EXTINGUISHING AGENTS APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures: MOVE CONTAINERS AWAY FROM FIRE AREA SAFELY W/O RISK. COOL CONTAINERS WITH WATER SPRAY UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM THE ENDS OF TANKS, WITHDRAW IN CASE OF RISING SOUND/ DISCOLORATION OF TANKS. FOR TANK/RAIL CAR/TANK TRUCK, EVACUATION RADIUS; 800 METERS.
Unusual Fire/Explosion Hazard: CONTAINERS MAY RUPTURE/EXPLODE IF EXPOSED TO HEAT.

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

Spill Release Procedures: DON'T TOUCH MATERIAL. STOP LEAK IF POSSIBLE W/OUT PERSONAL RISK. KEEP UNNECESSARY PEOPLE AWAY, ISOLATE HAZARD AREA & DENY ENTRY. VENTILATE CLOSED SPACES BEFORE ENTERING.
Neutralizing Agent: NONE

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

Handling and Storage Precautions: STORE & HANDLE IN ACCORDANCE W/A

LL

CURRENT REGULATIONS & STANDARDS. PROTECT FROM PHYSICAL DAMAGE.
STORE IN WELL VENTILATED AREA. KEEP SEPARATED FROM INCOMPATIBLE
SUBSTANCE.

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

Respiratory Protection:FOR UNKNOWN CONCENTRATIONS/FOR DANGERS TO
LIFE/HEALTH, USE ANY SUPPLIED-AIR RESPIRATOR W/FULL FACEPIECE &
OPERATED IN A PRESSURE-DEMAND/OTHER POSITIVE PRESSURE MODE IN
COMBINATION W/A SEPARATE ESCAPE SUPPLY. USE SCBA W/A FULL
FACEPIECE.

Ventilation:ENSURE COMPLIANCE W/APPLICABLE EXPOSURE LIMITS.

Protective Gloves:INSULATED

Eye Protection:FOR LIQUID: RECOMMENDED SPLASH RESISTANT SAFETY GOGGLES.

Other Protective Equipment:EMERGENCY EYE WASH FOUNTAIN & QUICK DRENCH
SHOWER IN THE IMMEDIATE WORK AREA.

Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN.

Supplemental Safety and Health

WEAR PROTECTIVE COLD INSULATED CLOTHING.

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

HCC:G3

Boiling Pt:=-146.1C, -
231.F

Melt/Freeze Pt:=-210.C, -346.F

Vapor Pres:760

Vapor Density:0.967

Spec Gravity:0.8081

Solubility in Water:1.6%

Appearance and Odor:COLORLESS, ODORLESS, TASTELESS, LIQUIFIED GAS

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

METALS, OXIDIZING MATERIALS; LITHIUM, MAGNESIUM, NEODYMIUM, OZONE,
TITANIUM

Stability Condition to Avoid:HEAT, PHYSICAL DAMAGE. MOISTURE

Hazardous Decomposition Product

s:MAY FORM TOXIC OXIDES OF NITROGEN.

===== Toxicological Information =====

Toxicological Information:NITROGEN: INHALED UNDER INCREASED ATMOSPHERIC PRESSURE, MAY DISSOLVE IN THE FAT-CONTAINING BRAIN CELLS & ACT AS AN ANESTHETIC,. PERSONS WHO HAVE BEEN EXPOSED TO INCREASED PRESSURE FOR A TIME & WHO ARE SUDDENLY RELEASED FROM THE PRESSURE MAY DEVELOP DECOMPRESSION SICKNESS. REPEATED EXPOSURE MAY RESULT IN DECOMPRESSION. ASPHYXIA DEPENDS ON THE RAP IDITY W/WHICH THE OXYGEN DEFICIENCY DEVELOPS & HOW LO NG IT CONTINUES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:NITROGEN REFRIGERATED LIQUID. UN1977.

===== Other Information =====

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.