

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: I

nhalation: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 OCC UR, 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 THA N HIPS TO HELP ASPIRATION. FOR
INHALATION CONSIDER OXYGEN. OBTAIN MEDICAL ATTENTI
ON 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/Explo
sion 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/AL

L

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.

V

entilation: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, -2

31.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 Products

: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 RAPI DITY 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 =====

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