

MG INDUSTRIES -- P-5 GAS MIXTURE, MGI08557 -- 6830-01-031-9655

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

Product ID:P-5 GAS MIXTURE, MGI08557

MSDS Date:10/09/1990

FSC:6830

NIIN:01-031-9655

MSDS Number: BMQLF

=== Responsible Party ===

Company Name:MG INDUSTRIES

Address:2460 BOULEVARD OF THE GENERALS

Box:945

City:VALLEY FORGE

State:PA

ZIP:19482

Country:US

Info Phone Num:215-630-5422

Emergency Phone Num:800

-424-9300 (CHEMTREC)

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:ARGON

CAS:7440-37-1

RTECS #:CF2300000

Fraction by Wt: 95%

ACGIH TLV:SIMPLE ASPHYXIAN

Ingred Name:METHANE

CAS:74-82-8

RTECS #:PA1490000

Fraction by Wt: 5%

ACGIH TLV:SIMPLE ASPHYXIAN

Ingred Name:MAT

L TO AVOID: NITROGEN TRIFLUORIDE, OXIDIZERS (STRONG),  
OXYGEN, OXYGEN DIFLUORIDE, TRIOXYGEN DIFLUORIDE.  
RTECS #:9999999ZZ

Incred Name:EFTS OF OVEREXP:NAUS, VOMIT, COLLAPSE, UNCON, CONVULS, DEEP  
COMA & DEATH ARE POSS.(CHRONIC)NO DATA AVAIL.SKIN: (ING 5)  
RTECS #:9999999ZZ

Incred Name:ING 4:(ING 2)(ACUTE)NO ADVERSE EFTS HAVE BEEN RPTD FROM  
GAS.DUE TO RAPID EVAP,LIQ MAY CAUSE FROSTBITE W/REDNESS,(ING 6)  
RTECS #:9999999ZZ

Incred Name:ING 5:TINGLING & PAIN/NUMBNESS.IN MORE SEVERE CASES,S  
KIN  
MAY BECOME HARD & WHITE & DEVELOP BLISTERS.(CHRONIC)NO (ING 7)  
RTECS #:9999999ZZ

Incred Name:ING 6:DATA AVAIL.(ING 1)(ACUTE)NO ADVERSE EFTS HAVE BEEN  
RPTD FROM GAS.DUE TO RAPID EVAP,LIQ MAY CAUSE FROSTBITE (ING 8)  
RTECS #:9999999ZZ

Incred Name:ING 7:W/REDNESS,TINGLING & PAIN/NUMBNESS.IN MORE SEVERE  
CASES,SKIN MAY BECOME HARD & WHITE & DEVELOP BLISTERS. (ING 9)  
RTECS #:9999999ZZ

Incred Name:ING 8:(CHRONIC)NO DATA AVAIL.EYE:(ING 1)(ACUTE)NO ADVERSE  
EFTS HAVE BEEN RPTD FROM G  
AS.DUE TO RAPID EVAP,LIQ MAY(ING 10)  
RTECS #:9999999ZZ

Incred Name:ING 9:CAUSE FROSTBITE W/REDNESS,PAIN & BLURRED  
VISION.(CHRONIC)NO DATA AVAIL.(ING 2)(ACUTE)NO ADVERSE EFTS HAVE  
(ING 11)  
RTECS #:9999999ZZ

Incred Name:ING 10:BEEN RPTD FROM GAS.DUE TO EVAP,LIQ MAY CAUSE  
FROSTBITE W/REDNESS,PAIN & BLURRED VISION.(CHRONIC)NO DATA (ING 12)  
RTECS #:9999999ZZ

Incred Name:ING 11:AVAIL.INGEST:(ING 2)(ACUTE)INGEST OF GAS IS  
UNLIKELY.IF LIQ IS SWALLOWED,FROSTBITE DMG TO LIPS, MOUTH & (I

NG  
13)  
RTECS #:9999999ZZ

Inged Name:ING 12:MUCOUS MEMB MAY OCCUR.(CHRONIC)NO DATA AVAIL.(ING 1)(ACUTE)INGEST OF GAS IS UNLIKELY.IF LIQ IS SWALLOWED,(ING 14)  
RTECS #:9999999ZZ

Inged Name:ING 13:FROSTBITE DMG TO LIPS,MOUTH & MUC MEMB MAY OCCUR.(CHRONIC)NO DATA AVAIL.  
RTECS #:9999999ZZ

Inged Name:FIRST AID PROC:CHEM REMAINS (APPROX 15-20 MIN).GET MD IMMED. EYE:IT IS UNLIKELY THAT CONT W/GAS FORM WILL REQ (ING 16)  
RTECS #:9999999ZZ

Inged Name:ING 15:EMER TREATMENT.IF CONT W/L IQUIFIED/COMPRESSED GAS OCCURS,WASH W/LRG AMTS OF WARM WATER UNTIL NO EVIDENCE(ING 17)  
RTECS #:9999999ZZ

Inged Name:ING 16:OF CHEM REMAINS (APPROX 15-20 MIN).GET MD IMMED. INGEST:IT IS UNLIKELY THAT EMER TREATMENT WILL BE REQ. (ING 18)  
RTECS #:9999999ZZ

Inged Name:ING 17:IF ADVERSE EFTS OCCUR, TREAT SYMP & SUPPORTIVELY AND GET MD.  
RTECS #:9999999ZZ

Inged Name:SUPP DATA: TRUCK IS INVOLVED IN FIRE. EXTING USING AGENT INDICATED.COOL CYL W/FLOODING AMTS OF WATER FROM AS FAR(ING 20)  
RTECS #:9999999ZZ

Inged Name:ING 19:A DISTANCE AS POSS. DO NOT USE WATER DIRECTLY ON MATL. USE WATER SPRAY TO ABSORB VAPS. AVOID BRTHG VAPS;(ING 21)  
RTECS #:9999999ZZ

Inged Name:ING 20: KEEP UPWIND. CONSIDER EVAC OF DOWNWIND AREA IF MATL IS LEAKING.  
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 IA

RC:NO OSHA:NO

Health Hazards Acute and Chronic:INHAL:(ING 2)PREG MICE WERE EXPSD FOR 1 HR TO FUEL GAS,CONTAINING 85% METHANE.RESULTANT ABNORMALITIES OF FETAL BRAIN PRODUCED BRAIN HERNIAS & HYDROCEPHALUS.SEE INFO ON SIMPLE ASPHYXIANTS.(ING 1)SEE IN FO ON SIMPLE ASPHYXIANTS.SIMPLE ASPHYXIANTS:(ACUTE)THE SYMP OF ASPHYXIA DEPEND ON RAPIDITY W/WHICH THE (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:OXYGEN DEFICIENCY DEV & HOW LONG I T

CONTINUES.IN SUDDEN ACUTE ASPHYXIA, UNCON MAY BE IMMED.W/SLOW DEV THERE MAY BE RAPID RESP & PULSE, AIR HUNGER, DIZZ, REDUCED AWARENESS, TIGHTNESS IN HEAD, TINGLING SENSATIONS, INCOORD, FAULTY JUDGEMENT, EMOTIONAL INSTABILITY & RAPID FATIGUE.AS ASPHYXIA PROGRESSES, (ING 4)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:REMOVE FROM EXPOS AREA TO FRESH AIR IMMED.IF BRTH G

STOPS,GIVE ARTF RESP.MAINTAIN AIRWAY & BLOOD PRESS & ADMINISTER OXYGEN IF AVAIL.KEEP AFFECTED PERSON WARM & AT REST.TREAT SYMP & SUPPORTIVELY.A DMIN OF OXYGEN SHOULD BE PERFORMED BY QUALIFIED PERS.GET MD IMMED.SKIN:REMOVE CONTAM CLTHG & SHOES IMMED.WASH AFFECTED AREA W/SOAP/MILD DETERGENT & LRG AMTS OF WATER UNTIL NO EVIDENCE OF (ING 15)

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

Extinguishing Media:FOR LARGER FIRES, USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP .MOVE CNTNR FROM FIRE IF CAN W/O RISK.APPLY COOLING WATER TO SIDES OF CNTNRS THAT ARE EXPSD TO (SUPP DATA)

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. CYLINDER MAY EXPLODE IN HEAT OF FIRE.

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

Spill Release Procedures:STOP LEAK IF YOU CAN DO IT WITHOUT RISK. KEEP UNNECESSARY PEOPLE AWAY; I

SOLATE HAZARD AREA AND DENY ENTRY. STAY  
UPWIND; KEEP OUT OF LOW AREAS.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN ACCORDANCE WITH 29 CFR  
1910.101. STORE AWAY FROM INCOMPATIBLE SUBSTANCES.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:THE SPECIFIC NIOSH/MSHA APPROVED RESP MUS  
T BE  
BASED ON CONTAM LEVS FOUND IN WORK PLACE, MUST NOT EXCEED WORKING  
LIMITS OF RESP. FOR FURTHER INFORMATION SEE ORIGINAL MSDS .  
Ventilation:PROVIDE GENERAL DILUTION VENTILATION.  
Protective Gloves:PROTECTIVE GLOVES ARE RECOMMENDED.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
FIRE FIGHT PROC:FLAMES UNTIL WELL AFTER FIRE IS OUT.STAY AWAY FROM END  
S  
OF TANKS.WITHDRAW IMMED IN CASE OF RISING SOUND FROM VENTING SAFETY  
DEVICE/ANY DISCOLORATION OF TANK DUE TO FIRE.SOME OF THESE M  
ATLS,IF SPILLED,MAY EVAP LEAVING FLAM RESIDUE.ISOLATE FOR 1/2 MILE  
IN ALL DIRECTIONS IF TANK,RAIL CAR/TANK (ING 19)

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

Spec Gravity:1.3  
Solubility in Water:SLIGHTLY SOLUBLE  
Appearance and Odor:ODORLESS, COLORLESS GAS.

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

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Stability Indicator/Materials to Avoid:YES  
BROMINE,CHLORINE,CHLORINE DIOXIDE, DIOXYGEN DIFLUORIDE, DIOXYGENYL  
TETRAFLUOROBORATE, FLUORINE,INTERHALOGENS, (ING 3)  
Stability Condition to Avoid:DO NOT PERMIT PHYS DMG/OVERHEAT OF  
CNTNRS.CONTENTS ARE UNDER PRESS;CNTNRS MAY VIOLENTLY RUPTURE/TRAVEL  
CONSID DISTANCE.  
Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE  
TOXIC AND/OR HAZARDOUS GASES.

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

Wast

e Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE. FOR ASSISTANCE, CONTACT THE DISTRICT DIRECTOR OF THE ENVIRONMENTAL PROTECTION AGENCY.

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