MG INDUSTRIES -- MGI16625, DIATOMIC NITROGEN, NITROGEN, (SEE SUPPL DATA) -- 3655-01-059-8222

Product Identification

Product ID:MGI16625, DIATOMIC NITROGEN, NITROGEN, (SEE SUPPL DATA)
MSDS Date:09/19/2000
FSC:3655
NIIN:01-059-8222
Status Code:A
MSDS Number: CLCFX

Responsible Party

Company Name: MG INDUSTRIES
Address: 3 GREAT VALLEY PKY
City: MALVERN
State: PA
ZIP: 19355-1424
Country: US
Info Phone Num: 610-695-7400 / 610-695-7449
Emergency Phone Num: 800-424-9300
Resp. Party Other MSDS Num.: MGI16625
Preparer's Name: NOT PROVIDED
Chemtrec Ind/Phone: (800) 424-9300
CAGE: 08772

Contractor Identification

Company Name: CJ INTERNATIONAL
Address: 2741 PLAZA DEL AMO SUITE 208
Box: City: TORRANCE
State: CA
ZIP: 90050-7319
Country: US
Phone: 310-328-8550
CAGE: 59782

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

Ingredient: NITROGEN, COMPRESSED GAS
CAS: 7727-37-9
RTECS #: OW9700000
Wt: 100.

Hazard Identification

LD50 LC50 Mixture: NOT PROVIDED
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: INHALATION: SHORT TERM: NAUSEA,
VOMITING, SYMPTOMS OF DRUNKENNESS, TINGLING SENSATION, SUFFOCATION,
CONVULSIONS, COMA. LONG TERM: NO INFORMATION ON SIGNIFICANT ADVERSE
EFFECTS. SKIN: SHORT/LONG TERM: NO INFORMATION ON SIGNIFICANT
ADVERSE EFFECTS. EYE: SHORT TERM: IRRITATION. LONG TERM: NO
INFORMATION ON SIGNIFICANT ADVERSE EFFECTS. INGESTION: SHORT TERM:
INGESTION OF A GAS IS UNLIKELY. LONG TERM: NO INFORMATION IS
AVAILABLE.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: NAUSEA, VOMITING, SYMPTOMS OF
DRUNKENNESS, TINGLING SENSATION, SUFFOCATION, CONVULSIONS, COMA.
EYE CONTACT: IRRITATION.
Medical Cond Aggravated by Exposure:NOT PROVIDED

First Aid Measures

First Aid:INHALATION: IF ADVERSE EFFECTS OCCUR, REMOVE TO
UNCONTAMINATED AREA. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING.
IF BREATHING IS DIFFICULT, OXYGEN SHOULD BE ADMINISTERED BY
QUALIFIED PERSONNEL. GET IMMEDIATE MEDICAL ATTENTION. SKIN: WASH
EXPOSED SKIN WITH SOAP AND WATER. EYE: FLUSH EYES WITH PLENTY OF
WATER. INGESTION: IF A LARGE AMOUNT IS SWALLOWED, GET MEDICAL
ATTENTION. NOTE TO PHYSICIAN: FOR INHALATION, CONSIDER OXYGEN.

Fire Fighting Measures

Flash Point:NONE
Extinguishing Media:CARBON DIOXIDE, REGULAR DRY CHEMICAL. LARGE FIRES:
USE REGULAR FOAM OR FLOOD WITH FINE WATER SPRAY.
Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF DONE WITHOUT
RISK. COOL CONTAINER WITH WATER SPRAY UNTIL WELL AFTER THE FIRE IS
OUT. STAY AWAY FROM THE END OF TANK. WITHDRAW IMMEDIATELY IN CASE
OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF
TANK DUE TO FIRE. FOR TANK/RAILCAR/TANK TRUCK EVACUATION RADIUS:
1/2 MILE.
Unusual Fire/Explosion Hazard:NEGligible FIRE HAZARD. CONTAINERS MAY
RUPTURE OR EXPLODE IF EXPOSED TO HEAT.

Accidental Release Measures

Spill Release Procedures:STOP LEAK IF POSSIBLE WITHOUT PERSONAL RISK.
KEEP UNNECESSARY PEOPLE AWAY, ISOLATE HAZARD AREA AND DENY ENTRY.
STAY UPWIND AND KEEP OUT OF LOW AREAS.
Neutralizing Agent:NOT RELEVANT

Handling and Storage

Handling and Storage Precautions:STORE AND HANDLE IN ACCORDANCE WITH
ALL CURRENT REGULATIONS AND STANDARDS. SUBJECT TO STORAGE
INCOMPATIBLE SUBSTANCES.
Other Precautions:NOT PROVIDED

Exposure Controls/Personal Protection

Respiratory Protection:UNDER CONDITIONS OF FREQUENT USE OR HEAVY
EXPOSURE, RESPIRATORY PROTECTION MAY BE NEEDED. FOR UNKNOWN
CONCENTRATIONS OF IMMEDIATELY DANGEROUS TO LIFE AND HEALTH-ANY
SUPPLIED AIR RESPIRATOR WITH FULL FACEPIECE AND OPERATED IN A
PRESSURE-DEMAND IN COMBINATION WITH A SEPARATE ESCAPE SUPPLY OR ANY
SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE.
Ventilation: LOCAL EXHAUST VENTILATION SYSTEM. ENSURE COMPLIANCE WITH APPLICABLE EXPOSURE LIMITS.
Protective Gloves: NOT REQUIRED
Eye Protection: NOT REQUIRED, BUT RECOMMENDED
Other Protective Equipment: PROTECTIVE CLOTHING IS NOT REQUIRED.
Work Hygienic Practices: NOT PROVIDED
Supplemental Safety and Health
CONTINUED FROM PRODUCT ID: NITROGEN-14, NITROGEN GAS, STCC 4904565.
PART NUMBER FOR C.V. INTERNATIONAL: 600210. PER WR-ALC/LES,
EQUIPMENT SPECIALIST, CYLINDER PRESSURIZED TO 25 PSIG W/N2 TO AVOID CONTAMINATION, PER TECHNICAL SUPPORT.

-------------------- Physical/Chemical Properties ---------------------

HCC: G3
NRC/State Lic Num: NOT RELEVANT
Boiling Pt: -196.1°C, -321°F
Melt/Freeze Pt: -210.0°C, -346.8°F
Vapor Pres: 760 MMHG @ -196°C
Vapor Density: 0.967
Viscosity: 0.01787CPS@27°C
Solubility in Water: 1.6820°C
Appearance and Odor: ODORLESS, TASTELESS, COLORLESS, INERT GAS
Percent Volatiles by Volume: 100

-------------------- Stability and Reactivity Data ---------------------

Stability Indicator/Materials to Avoid: YES
METALS, OXIDIZING MATERIALS. LITHIUM: MAY IGNITE IN THE GAS. MAGNESIUM: VIOLENT REACTION. NEODYMIUM: VIGOROUS REACTION. OZONE: MAY EXPLODE.
TITANIUM: WILL BURN IN NITROGEN ATMOSPHERE.
Stability Condition to Avoid: PROTECT FROM PHYSICAL DAMAGE AND HEAT.
Hazardous Decomposition Products: OXIDES OF NITROGEN

-------------------- Toxicological Information -----------------------

Toxicological Information: NITROGEN, UNDER INCREASED ATMOSPHERIC PRESSURE, MAY DISSOLVE IN BRAIN CELLS CAUSING NARCOSIS. SIMPLE ASPHYXIANT. MAY CAUSE RAPID RESPIRATION AND PULSE, AIR HUNGER, DIZZINESS, REDUCED AWARENESS, TINGLING SENSATION, INCOORDINATION, EMOTIONAL INSTABILITY, RAPID FATIGUE, NAUSEA, VOMITING, COLLAPSE, UNCONSCIOUSNESS, CONVULSIONS, DEEP COMA AND DEATH.

-------------------- Ecological Information --------------------------

Ecological: NOT AVAILABLE

-------------------- Disposal Considerations --------------------------

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS

-------------------- MSDS Transport Information ---------------------


---------------------- Regulatory Information ----------------------


Federal Regulatory Information: TSCA INVENTORY STATUS: Y. CERCLA SECTION 103 (40 CFR 302.4): N.

State Regulatory Information: CALIFORNIA PROPOSITION 65: N.

---------------------- Other Information ----------------------

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