

MG INDUSTRIES -- NITROGEN (PACIFIC SCIENTIFIC P/N 33700009) -- 4210-01-206-9527

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

Product ID:NITROGEN (PACIFIC SCIENTIFIC P/N 33700009)

MSDS Date:11/25/1985

FSC:4210

NIIN:01-206-9527

MSDS Number: BZPLB

=== 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:21

5-630-5422

Emergency Phone Num:215-630-5422

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

Company Name:PACIFIC SCIENTIFIC CO HTL/KIN-TECH DIVISION

Address:1800 HIGHLAND AVE

Box:City:DUARTE

State:CA

ZIP:91010

Country:US

Phone:818-359-9317/602-796-1100

CAGE:05167

Company Name:PACIFIC SCIENTIFIC CO.,HTL ENERGY SYSTEMS DIV.

Address:7073 WEST WILLIS DRI

VE  
Box:5002  
City:CHANDLER  
State:AZ  
ZIP:85226  
Country:US  
Phone:602-796-1100  
CAGE:54181

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

Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: 100.0%  
Other REC Limits:NONE ESTABLISHED  
ACGIH TLV:ASPHYXIAN; 9596

=====  
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:NITROGEN IS A SIMPLE ASPHYXIAN;  
IT DISPLACES THE OXYGEN NECESSARY FOR LIFE (19.5% IN AIR APPROX).  
EXCESS CONCENTRATION CAUSES DIZZINESS,HEADACHE,TINGLING OF  
TONGUE,FINGERTIPS OR TOES,WEAK SPEAK ING POWER.LACK OF OXYGEN IS  
THE MAIN PROBLEM.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:DIZZINESS, HEADACHE  
, TINGLING OF  
TONGUE/FINGERTIPS/TOES, WEAK SPEAKING POWER.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY. RESCUE PERSONNEL  
SHOULD BE EQUIPPED WITH SCBA. REMOVE TO FRESH AIR QUICKLY, GIVE  
OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. GET PROMPT MEDICAL  
ASSISTANCE.

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

Flash Poin

t:NONE

Extinguishing Media:NON-FLAMMABLE, INERT GAS. DLA-HMIS: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NOT APPLICABLE. DLA-HMIS: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:NOT APPLICABLE.

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

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE EQUIPMENT. IF LEAK IS IN CONTAINER VALVE, CONTACT YOUR CLOSEST SUPPLIER LOCATION OR CALL THE EMERGENCY TELEPHONE NUMBER LISTED IN THIS MSDS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREAS.VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT.

Other Precautions:COMPRESSED GAS CYLINDERS SHOULD BE FILLED ONLY BY QUALIFIED PERSONNEL.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:LOCAL EXHAUST AND MAINTAIN 18% OXYGEN LEVEL.

Protective Gloves:AS REQUIRED

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:SAFETY SHOES

Work Hygienic Practices:USE GOOD PERSONAL HYGIENE AFTER HANDLING.

Supplemental Safety and Health

MSDS REPRESENTS A PART OF A FIRE EXTINGUISHER PROVIDED BY CAGE 54181; THE EXTINGUISHER IS A HALON EXTINGUISHER (SEE CAGE 06284/PNI A THIS NSN); THE NITROGEN IS USED TO PROPEL THE HALON OUT OF THE EXTINGUISHER. ALSO THERE IS AN EXPLOSIVE CARTRIDGE WHICH IS USED TO INITIATE THE NITROGEN-SEE CAGE 54181/PNI A THIS NSN.

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

HCC:G3

Boiling Pt:B.P. Text:-320F/-19

6C  
Spec Gravity:0.97  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:COLORLESS, ODORLESS GAS.  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
NONE.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED  
QUANTITIES  
.CONTACT LOCAL SUPPLIER OR CALL THE EMERGENCY TELEPHONE  
NO. LISTED.DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL,STATE AND  
FEDERAL REGULATIONS.

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  
documen  
t should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.