AGA GAS INC -- NITROGEN, COMPRESSED -- 5895-01-023-9532

Product ID: NITROGEN, COMPRESSED
MSDS Date: 01/01/1995
FSC: 5895
NIIN: 01-023-9532
Status Code: A
MSDS Number: CKBM

== Responsible Party ==
Company Name: AGA GAS INC
Address: 6225 OAKTREE BLVD
Box: 94737
City: CLEVELAND
State: OH
ZIP: 44101-4737
Country: US
Info Phone Num: 216-642-6600
Emergency Phone Num: 216-642-6600 - 800-424-9300
Resp. Party Other MSDS Num.: NO. 48
CAGE: 0KPC9

== Contractor Identification ==
Company Name: AGA GAS INC
Address: 6225 OAKTREE BLVD
Box: 94737
City: CLEVELAND
State: OH
ZIP: 44101-4737
Country: US
Phone: 216-642-6600
CAGE: 0KPC9

Company Name: AGA GAS INC SPECIALTY GAS DIV
Address: 6421 MONCLOVA RD
Box: City: MAUMEE
State: OH
ZIP: 43537
Country: US
Phone: 419-893-7226
CAGE: 0FUP3

Company Name: DYNAMICS CORP OF AMERICA
Address: 4400 GLEN WILLOW LAKE LN
Box: City: BATAVIA
State: OH
ZIP: 45103-2356
Country: US
Phone: 513-752-9000
CAGE: 98437

Composition/Information on Ingredients

Ingredient: NITROGEN
CAS: 7727-37-9
RTECS #: QW9700000
= Wt: 100.

Hazard Identification

Routes of Entry: Inhalation: YES Skin: NO Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: NITROGEN IS DEFINED AS A SIMPLE
ASPHYXIANT. EFFECTS OF EXPOSURE TO HIGH CONCENTRATIONS SO AS TO
DISPLACE THE OXYGEN IN AIR NECESSARY FOR LIFE MAY INCLUDE ANY, ALL
OR NONE OF THE FOLLOWING: LOSS OF BALANCE OR DIZZINESS. TIGHTNESS
IN THE FRONTAL AREA OF THE FOREHEAD. NITROGEN IS NONTOXIC BUT THE
LIBERATION OF A LARGE AMOUNT IN A CONFINED AREA COULD DISPLACE THE
AMOUNT OF OXYGEN IN AIR NECESSARY TO SUPPORT LIFE.
Explanation of Carcinogenicity: NITROGEN IS NOT LISTED IN THE IARC, NTP OR BY OSHA AS A CARCINOGEN OR POTENTIAL CARCINOGEN.
Effects of Overexposure: TINGLING OF THE TONGUE, FINGERTIPS OR TOES. WEAKENED SPEECH LEADING TO THE INABILITY TO UTTER SOUNDS. RAPID REDUCTION IN THE ABILITY TO PERFORM MOVEMENTS. REDUCED CONSCIOUSNESS OF THE SURROUNDINGS. LOSS OF TACTILE SENSATIONS. HEIGHTENED MENTAL ACTIVITY. IT SHOULD BE RECOGNIZED THAT IT IS POSSIBLE THAT NONE OF THE ABOVE SYMPTOMS MAY OCCUR IN GAS ASPHYXIA SO THAT THERE ARE NO DEFINITE WARNING SYMPTOMS.
Medical Cond Aggravated by Exposure: PERSONS IN ILL HEALTH WHERE SUCH ILLNESS WOULD BE AGGRAVATED BY EXPOSURE TO NITROGEN SHOULD NOT BE ALLOWED TO WORK WITH OR HANDLE THIS PRODUCT.

----------------------- First Aid Measures -----------------------

First Aid: PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO NITROGEN. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. INHALATION: CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. UNCONSCIOUS PERSONS SHOULD BE MOVED TO AN UNCONTAMINATED AREA, GIVEN ASSISTED RESPIRATION AND SUPPLEMENTAL OXYGEN. FURTHER TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE.

----------------------- Fire Fighting Measures -----------------------

Flash Point: NON-FLAMMABLE
Extinguishing Media: NONFLAMMABLE, INERT GAS.
Fire Fighting Procedures: IF CYLINDERS ARE INVOLVED IN A FIRE, SAFELY RELOCATE OR KEEP COOL WITH WATER SPRAY.
Unusual Fire/Explosion Hazard: CYLINDERS WILL RUPTURE OR EXPLODE IN THE HEAT OF FIRE.

----------------------- Accidental Release Measures -----------------------

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

----------------------- Handling and Storage -----------------------

Handling and Storage Precautions: USE ONLY WELL-VENTILATED AREAS. VALVE PROTECT CAPS MUST REMAIN IN PLACE UNLESS CYL SECURED W/VALVE OUTLET PIPED USE POINT. DO NOT DRAG, SLIDE, OR ROLL CYLINDERS. USE A HAND TRUCK FOR CYL MOVEMENT. USE PRESSUR REDUCING REGULATING CONNECTING CYLINDER TO LOWER PRESSURE (<3,000 PSI) PIPING OR SYSTEMS.
Other Precautions: DO NOT HEAT CYLINDER BY ANY MEANS TO INCREASE DISCHARGE RATE OF PRODUCT. USE CHECK VALVE/TRAP IN DISCHARGE LINE TO PREVENT HAZARDOUS BACKFLOW IN CYLINDER. COMPRESSED GAS CYLINDERS SHOULD NOT BE REFILLED EXCEPT BY QUALIFIED PRODUCERS OF COMPRESSED GASES. ALWAYS SECURE CYLIND IN UPRIGHT POSITION BEFORE TRANSPORTING THEM.

----------------------- Exposure Controls/Personal Protection -----------------------

Respiratory Protection: POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.
Ventilation: USE LOCAL EXHAUST TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS SO AS TO REDUCE THE OXYGEN LEVEL IN THE AIR TO LESS THAN 18 MOLAR PERCENT.
Protective Gloves: ANY MATERIAL.
Eye Protection: SAFETY GOGGLES OR GLASSES.
Other Protective Equipment: SAFETY SHOES.
Work Hygienic Practices: USE IN A WELL VENTILATED AREA.
Supplemental Safety and Health

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

HCC: G3
Boiling Pt: -195.8C, -320.5F
Melt/Freeze Pt: -209.9C, -345.9F
Vapor Pres: @70F (21.1C) ABOVE CRITICAL
Vapor Density: 0.0725 LB/F
Spec Gravity: @70F (21.1C) = 0.97
Solubility in Water: VERY SLIGHTLY
Appearance and Odor: COLORLESS, ODORLESS GAS

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

Stability Indicator/Materials to Avoid: YES
NONE
Stability Condition to Avoid: NONE
Hazardous Decomposition Products: NONE
Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED QUANTITIES. RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE TO YOUR SUPPLIER. FOR EMERGENCY DISPOSAL ASSISTANCE, CONTACT YOUR CLOSEST SUPPLIER LOCATION OR CALL THE EMERGENCY TELEPHONE NUMBER LISTED HEREIN.

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

Transport Information: PSN: NITROGEN, COMPRESSED, 2.2, UN1066.

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

SARA Title III Information: REPORTING UNDER SARA TITLE III SEC 313 NOT REQUIRED.

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

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