

AGA GAS INC -- NITROGEN -- 3040-01-278-5385

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

Product ID:NITROGEN  
MSDS Date:11/25/1985  
FSC:3040  
NIIN:01-278-5385  
MSDS Number: CFRHB  
=== Responsible Party ===  
Company Name:AGA GAS INC  
Address:6225 OAKTREE BLVD  
City:CLEVELAND  
State:OH  
ZIP:44131  
Country:US  
Info Phone Num:216-642-6600  
Emergency Phone Num:216-642-6600  
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:KOCSIS BROS MACHINE CO  
Address:11720 S MAYFIELD AVE  
Box:City:WORTH  
State:IL  
ZIP:60482  
Country:US  
Phone:312-597-8110  
CAGE:73181

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

Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:ASPHYXIAN; 9596

===== Hazards Identific

ation =====

LD50 LC50 Mixture:NOT RELEVANT

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS,  
RESPIRATORY TRACT. ACUTE- NITROGEN IS NONTOXIC BUT MAY PRODUCE  
SUFFOCATION BY DISPLACING OXYGEN. NO HARMFUL EFFECT EXPECTED FROM  
VAPOR. LIQUID CAN CAUSE FROSTBITE. THIS P RODUCT IS A GAS AT NORMAL  
TEMPERATURE AND PRESSURE. CANNOT BE SWALLOWED. CHRONIC-  
NONE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:LOSS OF BALANCE OR DIZZINESS; TIGHTNESS IN THE  
FRONTAL AREA OF THE FOREHEAD; TINGLING OF THE TONGUE, FINGERTIPS OR  
TOES; WEAKENED SPEECH LEADING TO THE INABILITY TO UTTER SOUNDS;  
RAPID REDUCTION IN TH E ABILITY TO PERFORM MOVEMENTS;  
REDUCEDCONSCIOUSNESS OF SURROUNDINGS; LOSS OF TACTILE SENSATIONS

Medical Cond Aggravated by Exposure:NONE

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

First A  
id:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF  
OVEREXPOSURE. RESCUE PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING  
APPARATUS. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF  
NEEDED. SKIN:TRE AT FOR FROSTBITE. USE LUKEWARM WATER. DO NOT USE  
HOT WATER. EYES:CONSULT AN OPHTHALMOLOGIST IMMEDIATELY.

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

Flash Point:NONE  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL FOR SURROU  
NDING FIRE. NITROGEN CANNOT CATCH FIRE.  
Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA.  
IMMEDIATELY DELUGE CONTAINERS WITH WATER SPRAY FROM MAXIMUM  
DISTANCE UNTIL COOL, THEN MOVE CONTAINERS AWAY IF NO RISK.  
Unusual Fire/Explosion Hazard:CYLINDERS MAY RUPTURE DUE TO HEAT OF  
FIRE. NO PART OF CYLINDER SHOULD BE SUBJECTED TO A TEMPERATURE  
HIGHER THAN 52C ( 125F). MOST CONTAINERS VENT WHEN HEATED.

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

Spill Release Procedures:USE APPROPRIATE PROTECTIVE EQUIPMENT. EVACUATE ALL PERSONNEL. VENTILATE AREA. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CONTACT CHEMTREC AT (800-424-9300) FOR EMERGENCY ASSISTANCE.  
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED AREA BELOW 125F (52C). KEEP OUT OF REACH OF SMALL CHILDREN. STORE UPRIGHT AND FIRMLY SECURED

Other Precautions

:WASH HANDS AFTER HANDLING. NEVER CARRY A COMPRESSED GAS CYLINDER IN AN ENCLOSED SPACE SUCH AS A CAR TRUNK, VAN OR STATION VAGON. USE ONLY IN WELL VENTILATED AREA. DO NOT DRAG, SLIDE OR ROLL CYLINDERS. USE A SUITABLE HAND TRUCK TO MOVE THEM.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IN EMERGENCIES, WEAR A NIOSH-APPROVED POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS.

Ventila

tion:LOCAL EXHAUST

Protective Gloves:ANY MATERIAL

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:SAFETY SHOES

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

NONE

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

HCC:G3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:-320F,-196C

Melt/Freeze Pt:M.P/F.P Text:-346F,-210C

Vapor Density:0.97

Spec Gravity:NOT RELEVANT

Evaporat

ion Rate & Reference:NOT RELEVANT  
Solubility in Water:VERY SLIGHT  
Appearance and Odor:COLORLESS, ODORLESS GAS

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

Stability Indicator/Materials to Avoid:YES  
NONE  
Stability Condition to Avoid:EXCESSIVE HEAT  
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:SLOWLY RELEASE INTO ATMOSPHERE OR RETURN IN THE SHIPPING CONTAINER PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE. FOLLOW ALL LOCAL, STATE AND FEDERAL REGULATIONS

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