

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 ===

Compan
y 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 Identifi

cation =====

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 PRODUCT 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 THE ABILITY TO PERFORM MOVEMENTS;
REDUCED CONSCIOUSNESS OF SURROUNDINGS; LOSS OF TACTILE SENSATIONS

Medical Cond Aggravated by Exposure:NONE

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

First

Aid: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:TREAT 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 SURRO

UNDING 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

===== 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 Precaution

s: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.

===== 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.

Ventil

ation: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

===== 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

Evapora

tion 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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