

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:CLEVE

LAND

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 Identification =====

LD50 LC50 Mixture:NOT RELEVANT

Rou

tes 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 Overexposu
re: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 Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF
OVE
REXPOSURE. 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 SURROUNDING 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. E

VACUATE

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 Precautions:WASH HANDS AFTER HANDLING. NEVER CARRY A COMPRESSED GAS CYL

INDER 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.

Ventilation: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

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:VERY S

LIGHT

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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