

MG INDUSTRIES -- HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID) -- 9135-00-142-9362

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Product Identification
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Product ID:HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)

MSDS Date:06/25/1990

FSC:9135

NIIN:00-142-9362

MSDS Number: BQKHS

=== Responsible Party ===

Company Name:MG INDUSTRIES

Address:2460 BOULEVARD OF THE GENERALS

Box:945

City:VALLEY FORGE

State:PA

ZIP:19482

Country:US

Info Pho

ne Num:215-630-5422

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

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Composition/Information on Ingredients
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Ingred Name:HELIUM

CAS:7440-59-7

RTECS #:MH6520000

Fraction by Wt: 100.0%

ACGIH TLV:SIMPLE ASPHYXIAN

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Hazards Identification
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Routes

of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: INHALATION: DISTORTED SPEECH,
INCREASED LOSS OF BODY HEAT. UNCONSCIOUSNESS MAY BE IMMEDIATE.
SKIN: FROSTBITE, REDNESS, TINGLING & PAIN OR NUMBNESS. EYES:
FROSTBITE W/REDNESS, PAIN, & BLURRED VISION. INGESTION: FROSTBITE
DAMAGE TO LIPS, MOUTH & MUCOUS MEMBRANES MAY OCCUR.

Explanation of Carcinogenicity: NONE

Effects of Overexposure: INHALATION: RAPID PULSE, AIR HUNGER, DIZZINESS,
REDUCED AWARENESS, RAPID FATIGUE, NAUSEA, VOMITING, COLLAPSE,
CONVULSIONS, DEEP COMA & POSSIBLE DEATH.

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

First Aid: INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED,
GIVE ARTIFICIAL RESPIRATION. MAINTAIN AIRWAY & BLOOD PRESSURE &
ADMINISTER OXYGEN IF AVAILABLE. SKIN: WASH AFFECTED SKIN IN WARM
WATER AT A TEMPERATURE OF 107°F. GENTLY WRAP AFFECTED PART IN
BLANKET.
INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES. PHYSICIAN
NOTE: NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY & SUPPORTIVELY.

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

Extinguishing Media: USING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE.
Fire Fighting Procedures: MOVE CONTAINER FROM FIRE AREA IF POSSIBLE.
STAY AWAY FROM STORAGE TANK ENDS. COOL FIRE-EXPOSED CONTAINERS
W/WATER FROM SIDE UNTIL WELL AFTER FIRE IS OUT.
Unusual Fire/Explosion Hazard: CONTENTS ARE
UNDER PRESSURE; CONTAINERS
MAY RUPTURE VIOLENTLY & TRAVEL A CONSIDERABLE DISTANCE. WATER
CONTACT W/LIQUEFIED GASES MAY CAUSE VIOLENT EXPLOSIONS.

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

Spill Release Procedures: DON'T TOUCH SPILLED MATERIAL. STOP LEAK IF YOU
CAN DO SO W/OUT RISK. KEEP UNNECESSARY PEOPLE AWAY; ISOLATE HAZARD
AREA & DENY ENTRY. VENTILATE CLOSED SPACES BEFORE ENTERING.

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

Handling and Storage Precautions:STORE IN ACCORDANCE W/29 CFR 1910.101.

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

Respiratory Protection:ANY SUPPLIED-AIR RESPIRATOR OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE. SELF-CONTAINED BREATHING APPARATUS W/FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE .

Ventilation:PROVIDE GENERAL DILUTION

Protective Gloves:WEAR FULL PROTECTIVE, COLD INSULATING

Eye Protection:SPLASH-PROOF, SAFETY GOGGLES

Other Protective Equipment:EYE WASH FOUNTAIN & QUICK DRENCH SHOWER

Work Hygienic Practices:REMOVE & WASH CONTAMINATED CLOTHES BEFORE REUSE. WASH HANDS THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:-452F/-269C

Melt/Freeze Pt:M.P/F.P Text:-458F/-272C

Vapor Pres:1719

Vapor Density:0.138

Spec Gravity:0.147

Solubility in Water:0.94%

Appearance and Odor:COLORLESS LIQUID, TASTELESS, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

WATER (MAY CAUSE VIOLENT EXPLOSIONS DUE TO RAPID TEMPERATURE FLUCTUATIONS WHEN IN CONTACT W/LIQUEFIED GASES)

Stability Condition to Avoid:HEAT, OPEN FLAME, PHYSICAL DAMAGE & OVERHEATING

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

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE & LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBS

TANCE. FOR ASSISTANCE,
CONTACT THE DISTRICT DIRECTOR OF THE ENVIRONMENTAL PROTECTION
AGENCY. UN 1963.

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