

MITTLER SUPPLY INC -- HELIUM -- 6830-00-660-0026

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

Product ID:HELIUM  
MSDS Date:01/01/1990  
FSC:6830  
NIIN:00-660-0026  
MSDS Number: BQDLK  
=== Responsible Party ===  
Company Name:MITTLER SUPPLY INC  
Address:3607 S MAIN ST  
City:SOUTH BEND  
State:IN  
ZIP:46614  
Country:US  
Info Phone Num:219-291-5334  
Emergency Phone Num:219-291-5334  
CAGE:0B672  
=== Contractor Identification ===

Company Name:MITTLER SUPPLY INC  
Address:3607 S MAIN ST  
Box:City:SOUTH BEND  
State:IN  
ZIP:46614  
Country:US  
Phone:219-291-5100  
CAGE:0B672

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

Ingred Name:HELIUM  
CAS:7440-59-7  
RTECS #:MH6520000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:TLV: SIMPLE ASPHYXIAN  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinog

enicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION-ASPHYXIAN

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:MODERATE CONCENTRATIONS MAY CAUSE HEADACHE, DROWSINESS, DIZZINESS, EXCITATION, EXCESS SALIVATION, VOMITING AND UNCONSCIOUSNESS. LACK OF OXYGEN CAN CAUSE DEATH.

Medical Cond Aggravated by Exposure:OVEREXPOSURE IS UNLIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

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

First Aid:SWALLOWING-THIS PRODUCT IA A GAS AT NORMAL TEMPERATURE AND PRESSURE. SKIN-WASH WITH SOAP AND WATER. INHALATION-REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GIVE OXYGEN IF BREATHI NG IS DIFFICULT. CALL A PHYSICIAN. EYES-FLUSH WITH WATER.

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

Extinguishing Media:HELIUM CAN NOT CATCH FIRE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM DANGER AREA. IMMEDIATELY DELUGE CONTAINERS WITH WATER SPRAY FROM MAXIMUM DISTANCE UNTIL COOL, THENMOVE CONTAINERS FROM FIRE AREA.

Unusual Fire/Explosion Hazard:CONTAINER MAY RUPTURE DUE TO HEAT OF FIRE. NO PART OF A CONTAINER SHOULD BE SUBJECTED TO A TEMPERATURE HIGHER THAN 52C.

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

Spill Release Proc

edures:EVACUATE ALL PERSONNEL FROM DANGER AREA. USE SELF-CONTAINED BREATHING APPARATUS WHERE NEEDED. SHUT OFF LEAK IF WITHOUT RISK. VENTILATE AREA OF LEAK OR MOVE LEAKING CONTAINER TO WELL VENTILATED AREA.

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

Handling and Storage Precautions:STORE AND USE WITH ADEQUATE VENTILATION. CLOSE VALVE WHEN NOT IN USE AND WHEN EMPTY. DO NOT STRIKE ARC OR CYLINDER. DO NOT GROUND CYLINDER.

Other Precautions:CAUTION. HIGH

PRESSURE GAS. USE PIPING AND EQUIPMENT

ADEQUATELY DESIGNED TO WITHSTAND PRESSURES TO BE ENCOUNTERED. CAN CAUSE RAPID SUFFOCATION DUE TO OXYGEN DEFICIENCY.

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

Respiratory Protection:SELECT IN ACCORDANCE WITH OSHA 29 CFR 1910.134.

RESPIRATOR SHALL BE ACCEPTABLE TO MSHA AND NIOSH.

Ventilation:LOCAL EXHAUST-PREFERRED. MECHANICAL(GENERAL)-ACCEPTABLE.

Protective Gloves:PREFERRED FOR CYLINDER HANDLING.

Eye Protection:SELECT

IN ACCORD WITH OSHA 29 CFR 1910

Other Protective Equipment:METATARSAL SHOES FOR CYLINDER HANDLING.

SELECT IN ACCORDANCE WITH OSHA 29 CFR 1910.132 AND 1910.133.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

NONE

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

HCC:G3

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

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

Vapor Pres:GAS

Vapor Density:0.138

Spec Gravity:G

AS

Viscosity:GAS

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE;  
ODORLESS.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

NONE CURRENTLY KNOWN. HELIUM IS CHEMICALLY INERT.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE.

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

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te Disposal Methods: SLOWLY RELEASE INTO ATMOSPHERE OUTDOORS. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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