

KIDDE, BELLEVILLE, DIV WALTER KIDDE, INC -- HELIUM -- 6830-01-054-8243

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Product Identification  
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Product ID:HELIUM

MSDS Date:10/05/1992

FSC:6830

NIIN:01-054-8243

MSDS Number: BNWRP

=== Responsible Party ===

Company Name:KIDDE, BELLEVILLE, DIV WALTER KIDDE, INC

City:BELLEVILLE

State:NJ

Country:US

Info Phone Num:908-241-2950

Emergency Phone Num:908-241-2950

Preparer's Name:DOD-HMIS (DGSC-S

SH)

CAGE:2R464

=== Contractor Identification ===

Company Name:KIDDE, BELLEVILLE, DIV WALTER KIDDE, INC

Box:City:BELLEVILLE

State:NJ

Country:US

Phone:908-241-2950

CAGE:2R464

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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%

Other REC Limits:ASPHIXIANT

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Hazards Identification  
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LD50 LC50 Mixture:ORAL RAT LD50 IS "NOT APPLICABLE"

Routes of Entry: Inhalation:YES

Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:HELIUM IS NON-TOXIC BUT MAY DISPLACE SUFFICIENT OXYGEN TO ASPHIXIATE AN INDIVIDUAL IF IN AN ENCLOSED PLACE.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY NTP, IARC, OR OSHA

Effects of Overexposure:EYE: NONE. SKIN: NONE. INHALED: SIGNS OF OXYGEN DEPRIVATION; HEADACHE, LIGHT HEADEDNESS, DROWSINESS, ETC. INGESTED: AN UNLIKELY EXPOSURE.

Medical Cond Aggravated by Exposure:PEOPLE WITH IMPAIRED OR REDUCED BREATHING CAPACITY.

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First Aid Measures  
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First Aid:INHALED: REMOVE FROM EXPOSURE. SUPPORT BREATHING AND/OR GIVE OXYGEN. OTHER EXPOSURES: NO ACTION INDICATED.

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Fire Fighting Measures  
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Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:WHILE HELIUM IS NOT FLAMMABLE, THE CONTAINER MAY RUPTURE FROM OVER PRESSURE. DO NOT HEAT ABOVE 125F.

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Accidental Release Measures  
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Spill Release Procedures:EVACUATE PERSONNEL. USE SCBA. STOP LEAK IF W/O RISK. VENTILATE AREA. VERIFY SUFFICIENT OXYGEN BEFORE PERSONNEL W/O SCBA ARE ADMITTED.

Neutralizing Agent:NONE

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Handling and Storage  
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Handling and Storage Precautions:HIGH PRESSURE COMPRESSED GAS! USE WITH EQUIPMENT AND PROCEDURES APPROVED FOR HIGH PRESSURE SYSTEMS. BLEED PRESSURIZED SYSTEMS BEFORE WORKING ON THEM.

Other Precautions:CAN CAUSE RAPID SUFFOCATION. USE ONLY WITH ADEQUATE VENTILATION.

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Exposure Controls/Personal Protection  
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Respiratory Protection

:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE  
NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPAARATUS WHENEVER  
OXYGEN DEFICIENCY EXISTS OR MAY EXIST. SEE 29 CFR 1910.134 FOR  
REGULATIONS PERTAINING T O RESPIRATOR USE.

Ventilation:USE MECHANICAL OR LOCAL EXHAUST SUFFICIENT TO MAINTAIN  
OXYGEN LEVEL AT OSHA APPROVED LEVELS.

Protective Gloves:AS NEEDED FOR MECHANICAL PROTECTION

Eye Protection:SAFETY GLASSES

Other Protective Equipment:AS REQUIRED FOR THE JOB AT HAND OR FOR  
HANDL

ING HIGH PRESSURE GAS EQUIPMENT AND SCYLINDERS.

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE PRACTICE. WASH  
AFTER USING THE PRODUCT AND BEFORE EATING, DRINKING, ETC.

Supplemental Safety and Health

THIS MSDS WRITTEN BY DGSC IN RESPONSE TO A TECH SUPPORT REQUEST. KIDDE  
DIV CITED IN REQUEST IS CLOSED AND NO OTHER SOURCE OF A KIDDE MSDS  
COULD BE FOUND.

===== 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:GAS

Evaporation Rate & Reference:NOT RELAVENT

Solubility in Water:NOT RELAVENT

Appearance and Odor:COLORLESS GAS, NO ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:NONE KNOWN

Hazardous Decomposition Products:NONE KNOWN

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. HMIS SUGGESTS A CONTROLLED RELEASE INTO THE ATMOSPHERE.

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