View NSN Online: https://aerobasegroup.tw/nsn/6830-00-474-5789

AIRCO DIV.OF THE BOC GROUP,INC. -- HYDROGEN-REFRIGERATED GAS -- 6830-00-474-5789

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

Product ID:HYDROGEN-REFRIGERATED GAS

MSDS Date:07/01/1986

FSC:6830

NIIN:00-474-5789

MSDS Number: BDZSL === Responsible Party ===

Company Name: AIRCO DIV. OF THE BOC GROUP, INC.

Address:575 MOUNTAIN AVE.

City:MURRY HILL

State:NJ

ZIP:07974-2006

Info Phone Num:201-464-8100

Emergency Phone

Num:201-464-8100 CHEMTREC 800-424-9300

CAGE:LO430

=== Contractor Identification ===

Company Name: AIRCO DIV. OF THE BOC GROUP, INC.

Address:575 MOUNTAIN AVE.

Box:City:MURRY HILL

State:NJ

ZIP:07974-2006

Phone:201-464-8100

CAGE:LO430

Company Name: BOC GROUP INC THE, BOC GASES DIV

Address: 575 MOUNTAIN AVE Box: City: NEW PROVIDENCE

State:NJ

ZIP:07974-1209 Country:US

Phone:908-464-8100

CAGE:6J576

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

Ingred Name: HYDROGEN

CAS:1333-74-0

RTEC

S #:MW8900000 Fraction by Wt: 99.999% Other REC Limits:SEE SUPP DATA
======================================
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:HYDROGEN IS NON-TOXIC AND IS DANGEROUS PHYSOLOGICALLY AS AN ASPHYXIANT. THE CRYOGENIC LIQUID WILL FREEZE TISSUES IF IN CONTACT WITH SKIN OR EYES. Effects of Overexposure:INHALATION:EFFECTS OF OXYGEN STARVATI ON,DROWSINESS,LOSS OF CONSCIOUSNESS. SKIN CONTACT-FROSTBITE:CHANGE OF COLOR TO GRAY OR WHITE,POSSIBLY WITH BLISTERING.
Medical Cond Aggravated by Exposure:NONE
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First Aid:INHALED:REMOVE TO FRESH AIR.GIVE ARTIFICIAL RESPIRATION OR OXYGEN AS NEEDED.GET MEDICAL ATTENTION.FROSTBITE:FLUSH AFFECTED AREA WITH LUKEWARM WATER.DO NOT USE HOT WATER.GET PROMPT MEDICAL ATTENTION.
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Flash Point:GAS Lower Limits:4.0 Upper Limits:74.5 Extinguishing Media:WATER,CARBON DIOXIDE,DRY CHEMICAL Fire Fighting Procedures:IF POSSIBLE, STOP FLOW OF HYDROGEN. COOL SURROUNDING CONTAINERS WITH WATER. HYDROGEN BURNS WITH LITTLE RADIATED HEAT AND AN ALMOST INVISIBLE FLAME. Unusual Fire/Explosion Hazard:HYDROGEN IS LIGHTER THAN AIR AND WILL COLLECT NEAR CEILINGS. VENTILATE UPPER AREAS TO PREVENT FLASH BACK.
======== Accidental Release Mea
sures ====================================
Spill Release Procedures:EVACUATE PERSONNEL AND ELIMINATE IGNITION SOURCES. USE APPROPRIATE PROTECTIVE EQUIPMENT. Neutralizing Agent:NONE
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Handling and Storage Precautions:DO NOT PERMIT SMOKING OR OPEN FLAMES IN STORAGE AREA, STORE IN WELL VENTILATED AREA, SEE CGA PAMPHLETS

G-5,P-12 AND OSHA 1910 SUBPART H.

Other Precautions: USE ONLY NON-SPARKING OR EXPLOSION PROOF EQUIPMENT. GROUND AL

L FIXTURES AND EQUIPMENT. FEDERAL LAW PROHIBITS SHIPING A VESSEL NOT FILLED BY THE OWNER WITHOUT HIS EXPRESS (WRITTEN) CONSENT.	
====== Exposure Controls/Personal Protection ========	
Respiratory Protection:FOR EMERGENCY:USE ESCAPE AIR SUPPLY OR SELF CONTAINED BREATHING APPARATUS. Ventilation:HOOD WITH FORCED VENTILATION,AND OTHER LOCAL/GENERAL EXHAUST TO PREVENT ACCUMULATIONS ABOVE LEL. Protective Gloves:LOOSE FITTING,INSULATED Eye Protection:SPLASH GOGGLES/GLASSES PLUS FACE SHIELD Other Protective Equipment:SAFETY SHOES,SAFETY SHOWER Work Hygienic Practices:USE NORMAL PERSONAL HYGIENE PRACTICE. Supplemental Safety and Health MFR RECOMMENDS OXYGEN LEVEL BE MAINTAINED AT 18% OR MORE WHICH IS EQUAL TO A PARTIAL PRESSURE OF 135MM OF HYDROGEN.	
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HCC:G2 Boiling Pt:B.P. Text:-423F/-252C Melt/Freeze Pt:M.P/F.P Text:-435F/-259C Spec Gravity:0.071(AIR=1) Solubility in Water:VERY SLIGHT Appear ance and Odor:COLORLESS,ODORLESS GAS OR LIQUID **GAS DENSITY = 0.1005209 LB/CUFT ===================================	
Stability Indicator/Materials to Avoid:YES	
OXIDIZERS Stability Condition to Avoid:NONE Hazardous Decomposition Products:NONE	
========== Disposal Considerations ==============	
Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF UNUSED HYDROGEN. RETURN TO MFR FOR PROPER DISPOSAL.	
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