

## **HYDROGEN (**

### **MSDS Number**

BXDXZ

### **National Stock Number**

6830-00N058175

### **Product Name**

HYDROGEN (

### **Manufacturer**

SCOTT MARRIN INC

### **Product Identification**

Product ID:HYDROGEN (MSDS Date:10/08/1987

FSC:6830

NIIN:00N058175

MSDS Number: BXDXZ

### **Responsible Party**

SCOTT-MARRIN INC

6531 BOX SPRINGS BLVD

RIVERSIDE , CA 92507

US

Emergency Phone: 800-424-9300(CHEMTREC)

Info Phone: 909-653-6780

Cage: GO386

### **Contractor**

SCOTT-MARRIN INC

UNKNOWN

RIVERSIDE, CA 92507-5000

US

909-653-6780

Cage: GO386

### **Ingredients**

AIR

OSHA PELN/K

ACGIH TLV: N/K

75%. (PURE HYDROGEN IN AIR).

CAS: 1333-74-0

RTECS: MW8900000

Fraction By Weight:

OSHA PELN/K

ACGIH TLV: N/K

PRECS CONSULT COMPRESSED GAS ASSOC PAMPHLET P-1. GAS

RTECS: 9999999ZZ

"NON-FLAMM GAS" LABELING & SHIPPING CLASSIFICATION OF

RTECS: 9999999ZZ

DOT-3AL REGS FOR SHIPMENT GASES IN ALUMINUM CYLS.

RTECS: 9999999ZZ

OF THE OWNER IS A VIOLATION OF FEDERAL LAW.

RTECS: 9999999ZZ

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:HEALTH HAZARDS WILL VARY DEPENDING ON  
ACTUAL CONCENTRATION LEVEL TO WHICH SOMEONE IS DIRECTLY EXPOSED.  
LOW CONCENTRATION MIXTURES ARE OFTEN DILUTED BELOW TLV WHEN VENTED  
INTO ROOM AIR. ING 2:HYDROGEN IS A SIMPLE ASPHXIANT WHICH IN  
SUFFICIENTLY HIGH CONCENTRATIONS CAN LOWER PARTIAL PRESSURE OF  
OXYGEN (EFTS OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:HLTH HAZ:IN AIR ENOUGH TO CAUSE SYSTEMIC  
EFFECTS DUE TO OXYGEN DEFICIENCY.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:INGEST:CALL MD IMMEDIATELY . EYES:IMMEDIATELY FLUSH W/POTABLE  
WATER FOR A MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM MD .  
SKIN:FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD . INHAL:REMO VE  
PERSON TO UNCONTAMINATED WELL-VENTILATED AREA. SYMPTOMS QUICKLY  
SUBSIDE W/INITIATION OF FRESH AIR OR OXYGEN. IF BREATHING HAS  
STOPPED, START ARTIFICIAL RESPIRATION.

## Fire Fighting

Flash Point:NON-FLAMMABLE  
Lower Limits:SEE ING 2  
Upper Limits:SEE ING 2  
Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .  
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE  
EQUIPMENT .

## Accidental Release

Spill Release Procedures:VENTILATE ENCLOSED AREAS. LEAKING CYLINDER  
SHOULD BE PLACED UNDER AN EXHAUST HOOD OR MOVED TO A SAFE OUTDOOR  
AREA.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:GAS IN CYL AT HIGH PRESS. USE ONLY  
W/HIGH PRESS EQUIP. USE PRESS REDUCING REGULATOR WHEN CONNECTING TO  
LOW PRESS PIPING SYSTEMS.  
Other Precautions:SECURE CYLS WHEN IN USE. KEEP CYL AWAY FROM HEAT,  
FLAME/SPKS. AVOID DRAGGING, ROLLING/SLIDING CYLS BY USING A  
SUITABLE HAND TRUCK. STORE CYLS IN DRY, COOL, WELL-VENTILATED AREA.  
AVOID HEAT, FLAME/SPKS . DO NOT STORE IN HEAVILY (SUPP DATA)

## Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR  
EXPOSURE OF CONCERN .  
Ventilation:NATURAL OR MECHANICAL VENTILATION.

Protective Gloves:LEATHER GLOVES.  
Eye Protection:ANSI APPROVED SAFETY GLASSES .  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
VP:2000 PSIG (CYL PRESS). VAP DENS:0.07492 LB/CU FT @ 70F & 1 ATM (GAS DENSITY). OTHER PREC:TRAVELLED AREAS TO AVOID ACCIDENTAL KNOCKING OVER. VALVE CAPS SHOULD BE INSTALLED ON ALL CYLS WHEN NOT CONNE CTED FOR USE. SEGREGATE FULL & EMPTY CYLS. AVOID STOR WHERE SALT/CORR CHEMS ARE PRESENT. FOR ADDNL HNDLG/STOR (ING 3)

## Chemical Properties

Vapor Pres:SUPP DATA  
Vapor Density:SUPP DATA  
Spec Gravity:1 (H\*20=1)  
Appearance and Odor:COLORLESS & ODORLESS.

## Stability

Stability Indicator/Materials to Avoid:YES  
NONE.  
Stability Condition to Avoid:NONE.  
Hazardous Decomposition Products:NONE.

## Disposal

Waste Disposal Methods:RETURN CYLINDERS TO SCOTT-MARRIN, INC W/RESIDUAL PRESSURE, CYLINDER VALVE CLOSED & VALVE PROTECTIVE CAP INSTALLED.

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