

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-133/1333-74-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
1333-74-0

Code:
M

RTECS:
MW8900000

Code:
M

Name:
HYDROGEN GAS

Other REC Limits:
N/R

OSHA PEL:
N/R

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/R

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
POSITIVE PRESSURE AIR MASK OR SELF-CONTAINED BREATHING APPARATUS.

Ventilation:
LOCAL EXHAUST . AVOID FLAM OR EXPLOS MIXTES BY ADEQUATE VENTILATION. VENTILATE ROOF AREAS.

Protective Gloves:
COTTON OR LEATHER

Eye Protection:
SAFETY GOGGLES OR GLASSES

Other Protective Equipment:
Equipment SAFETY SHOES;AIR MONITORING FOR 0-4% HYDROGEN DETECTION MAY BE NECESSARY.

Work Hygienic Practices:
N/K

Supplemental Safety and Health:
N/K 4

Health Hazards Data

LD50LC50Mixture:
N/P

Route Of Entry Inds - Inhalation:
YES

Skin:
N/P

Ingestion:
N/P

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
N/P

Explanation Of Carcinogenicity:
N/P 2

Signs And Symptions Of Overexposure:
INHAL-DIZZINESS,UNCONSCIOUSNESS,DEATH

Medical Cond Aggravated By Exposure:
N/K

First Aid:
QUICKLY REMOVE TO FRESH AIR. OBTAIN PROMPT MED ATTN. AVOID IGNITION & BE CONGNIZANT OF EXTREME FIRE/EXPLOSION HAZ. RESCUE PERS SHOULD WEAR SLF-CONTND BREATH APPAR. PROVIDE ARTIFICIAL RESPIR IF REQ'D.

Spill Release Procedures:
EVAC ALL PERS FM AFFECTED AREA;DO NOT ENTER AREAS CONTAINING FLAM MIXTURES OF HYDROGEN & AIR. VENT AREA TO PREVENT FORM OF FLAM OR OXYGEN DEFICIENT ATMOSPHERE. ELIMINATE ALL POTENTIAL SOURCES OF IGNIT ION.

Neutralizing Agent:
N/R

Waste Disposal Methods:
FOLLOW LOCAL,STATE & FED REGS. MAY BE SLOWLY BURNED OFF OR VENTED & DIFFUSED SLOWLY INTO ATMOSPHERE AS LONG AS FLAM MIXTURES,FIRES & EXPLOSIONS ARE SAFELY AVOIDED,IN A REMOTE OUTSIDE AREA.

Handling And Storage Precautions:
PROTECT CYL FM PHYSICAL DAMAGE. STORE IN WELL VENT,COOL,DRY AREA. "NO SMOKING OR OPEN FLAME" SIGNS SHOULD BE POSTED. DO NOT EXPOSE TO TEMPS OVER 130F.

Other Precautions:
ELECTRICALLY GROUND ALL PIPING & EQUIP. ELEC EQUIP MUST BE EXPLO PROOF. SMALL LEAKS MAY BE INVISIBLE.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
AUTO IGN-1975F

Autoignition Temp:

Autoignition Temp Text:
1975F 3

Lower Limits:
4

Upper Limits:
74.2

Extinguishing Media:
WATER,CARBON DIOXIDE,DRY CHEMICAL,HALON

Fire Fighting Procedures:
IF POSS,S FLOW OF HYDROGEN;KEEP EQUIP COOL W/WATER SPRAY;BURNS W/ALMOST INVISIBLE FLAME;VENT AREA;IS A VERY LIGHT GAS & RISES RAPIDLY IN AIR.

Unusual Fire/Explosion Hazard:
DANGER OF RE-IGNITION & EXPLOSION.HYDRO FIRE SHOULDN'T BE EXTING UNTIL LEAK IS SPED. GAS LEAK FROM HIGH PRESSURE STORAGE CAN IGNITE SPONTANEOUSLY.

Physical/Chemical Properties

HCC:
G2

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
-423F

Melt/Freeze Pt:

M.P/F.P Text:
N/R

Decomp Temp:

Decomp Text:
N/R

Vapor Pres:
760/-423F/

Vapor Density:
0.07

Volatile Org Content %:

Spec Gravity:
N/R

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/R

Solubility in Water:
1.82% /BY VOLUME/

Appearance and Odor:
COLORLESS ODORLESS GAS

Percent Volatiles by Volume:
N/R

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
SOURCES OF IGNITION,SPARKS,FLAMES,HOT SURFACES

Materials To Avoid:
OXIDIZERS

Hazardous Decomposition Products:
NONE

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/R

Toxicological Information

Information:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P

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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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