

2001

Dihydrogen Monoxide

Dihydrogen monoxide (also known as hydric acid) is responsible for injury, death, and property damage all over the world. Contact the Dihydrogen Monoxide Research Division for more information.

MATERIAL SAFETY DATA SHEET FOR DIHYDROGEN MONOXIDE

PRODUCT NAME: DIHYDROGEN MONOXIDE
FORMULA WT: 18.00
CAS NO.: 07732-18-5
NIOSH/RTECS NO.: ZC0110000
COMMON SYNONYMS: DIHYDROGEN OXIDE, HYDRIC ACID
PRODUCT CODES: 4218, 4219
EFFECTIVE: 05/30/86
REVISION #01

LABORATORY PROTECTIVE EQUIPMENT

SAFETY GLASSES; LAB COAT

PRECAUTIONARY LABEL STATEMENTS

STORAGE: KEEP IN TIGHTLY CLOSED CONTAINER.

BOILING POINT: 100 C (212 F) VAPOR PRESSURE(MM HG): 17.5

MELTING POINT: 0 C (32 F) VAPOR DENSITY(AIR=1): N/A

SPECIFIC GRAVITY: 1.00 EVAPORATION RATE: N/A

SOLUBILITY(H2O): COMPLETE (IN ALL PROPORTIONS) % VOLATILES BY VOLUME: 100

APPEARANCE & ODOR: ODORLESS, CLEAR COLORLESS LIQUID.

TOXICITY: LD50 (IPR-MOUSE) (G/KG) - 190
LD50 (IV-MOUSE) (MG/KG) - 25

DISPOSAL PROCEDURE

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

SAF-T-DATA(TM) STORAGE COLOR CODE: ORANGE (GENERAL STORAGE)

SPECIAL PRECAUTIONS

KEEP CONTAINER TIGHTLY CLOSED. SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA. DIHYDROGEN MONOXIDE IS CONSIDERED A NON-REGULATED PRODUCT, BUT REACTS VIGOROUSLY WITH SOME MATERIALS. THESE INCLUDE SODIUM, POTASSIUM AND OTHER ALKALI METALS; ELEMENTAL FLUORINE; AND STRONG DEHYDRATING AGENTS SUCH AS SULFURIC ACID. IT FORMS EXPLOSIVE GASES WITH CALCIUM CARBIDE. AVOID CONTACT WITH ALL MATERIALS UNTIL INVESTIGATION SHOWS SUBSTANCE IS COMPATIBLE. EXPANDS SIGNIFICANTLY UPON FREEZING. DO NOT STORE IN RIGID CONTAINER AND PROTECT FROM FREEZING.

DOMESTIC (D.O.T.)

PROPER SHIPPING NAME CHEMICALS, N.O.S. (NON-REGULATED)

INTERNATIONAL (I.M.O.)

PROPER SHIPPING NAME CHEMICALS, N.O.S. (NON-REGULATED)