



GIBRALTAR

NATIONAL CORPORATION • 48 West State Fair • Detroit, MI 48203 • (313) 366-0100

SAFETY DATA SHEET

PRODUCT: MURIATIC ACID
INGREDIENTS: N/A
PHYSICAL DATA:
BOILING POINT(F)OR RANGE 182F
VAPOR PRESSURE(MMHG.)@20C 25
SOLUBILITY IN WATER COMPLETE
VAPOR DENSITY(AIR=1)(60-90F) 1.27
SPECIFIC GRAVITY(H2O=1) 1.160
PERCENT VOLATILE BY VOLUME 100%
MATERIAL IS LIQUID
APPEARANCE AND ODOR CLEAR, COLORLESS FUMING LIQUID WITH PUNGENT ODOR

FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT(METHOD USED) N/A (NON FLAMMABLE)
UPPER EXPLOSIVE LIMIT N/A
EXTINGUISHING AGENTS WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM.
SPECIAL FIRE FIGHTING PROCEDURES-NEUTRALIZE WITH CHEMICALLY BASIC SUBSTANCES AS SODA ASH OR SLAKED LIME. COOL TANK WITH WATER IF EXPOSED TO FIRE. WEAR FULL PROTECTIVE CLOTHING.
UNUSUAL FIRE AND EXPLOSION HAZARD-CONTACT WITH COMMON METALS PRODUCES HYDROGEN GAS WHICH MAY FORM EXPLOSIVE MIXTURES WITH AIR.

HEALTH HAZARD DATA:

ACUTE TOXICITY EFFECTS CAUSES BURNS. INHALATION OF FUMES RESULT IN COUGHING & CHOKING SENSATION.
THRESHOLD LIMIT VALUE FOR MIXTURE 5PPM (MAXIMUM ALLOWABLE CONCENTRATION ACCORDING TO ACGIH)
EMERGENCY AND FIRST AID PROCEDURES-CALL PHYSICIAN IMMEDIATELY. FLUSH SKIN OR EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. FOR INHALATION: LEAVE CONTAMINATED AREA.

REACTIVITY DATA:

STABILITY STABLE
INCOMPATIBILITY CORROSIVE TO MOST METALS WITH EVOLUTION OF HYDROGEN GAS.
HAZARDOUS DECOMPOSITION PRODUCTS-HYDROGEN CHLORIDE VAPORS, HYDROGEN.
HAZARDOUS POLYMERIZATION WILL NOT OCCUR

SPILL OR LEAKAGE PROCEDURES:

SPILLAGE: REMOVE SOURCES OF IGNITION. STAY UPWIND OF SPILL. IF NECESSARY TO ENTER SPILL AREA WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING, INCLUDING BOOTS. FLUSH ENTIRE SPILL AREA WITH WATER. NEUTRALIZE SPILL AREA WITH SODA ASH OR LIME BEFORE DISCHARGING INTO SEWER.

SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION NONE FOR NORMAL USE
PROTECTIVE FLOVES LONG RUBBER OR PLASTIC
OTHER PROTECTIVE EQUIPMENT BOOTS, APRON, & RUBBER GAUNTLETS
VENTILATION LOCAL EXHAUST-MAINTAIN ADEQUATE VENTILATION (IN AIR 10 PPM OR LESS)

SPECIAL PRECAUTIONS:

HANDLING: PROTECT AGAINST PHYSICAL DAMAGE. STORE IN COOL, OPEN, OR WELL VENTILATED PLACES. SEPARATE FROM OXIDIZING MATERIALS. KEEP CONTAINER CLOSED.
OTHERS: WASH CLOTHING BEFORE REUSE. KEEP CONTAINER OUT OF SUN AND AWAY FROM HEAT. NEVER USE PRESSURE TO EMPTY.