

282 POTASSIUM HYDROXIDE SOLN, 8.0 N

MSDS Number

BHCCD

National Stock Number

6810-00-850-7787

Product Name

282 POTASSIUM HYDROXIDE SOLN, 8.0 N

Manufacturer

HACH COMPANY

Product Identification

Product ID:282 POTASSIUM HYDROXIDE SOLN, 8.0 N

MSDS Date:08/03/1996

FSC:6810

NIIN:00-850-7787

MSDS Number: BHCCD

Responsible Party

HACH COMPANY

100 DAYTON RD.

AMES , IA 50010-6402

US

Emergency Phone: 515-232-2533 (303-623-5716 MEDICAL)

Info Phone: 800-227-4224

Cage: 4T252

Contractor

POLYSCIENCES INC

WARRINGTON, PA 18976

US

215-343-6484

Cage: 32939

Ingredients

POTASSIUM HYDROXIDE (CERCLA)

CAS: 1310-58-3

RTECS: TT2100000

Fraction By Weight:

OSHA PELC 2 MG/M3

ACGIH TLV: C 2 MG/M3; 9596

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: TO 100%

Hazards

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 365 MG/KG.
Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN. INHALATION MAY BE FATAL AS A RESULT OF SPASM, INFLAMMATION AND EDEMA OF THE LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.
Explanation of Carcinogenicity:POTASSIUM HYDROXIDE IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:EYE-FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN-WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. INHALED-REMOVE TO FRESH AIR. INGESTED-DO NOT INDUCE VOMITING. GIVE 2 GLASSES OF MILK OR WATER & GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE, SEE A DOCTOR.

Fire Fighting

Flash Point:NON-FLAMMABLE
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:CORROSIVE FUMES MAY BE GIVEN OFF UNDER FIRE CONDITIONS.

Accidental Release

Spill Release Procedures:COVER SPILL WITH CITRIC ACID OR ANOTHER ACIDIC MATERIAL. SCOOP SLURRY TO BEAKER, ADD WATER & NEUTRALIZE TO A PH BETWEEN 6 & 9. FLUSH NEUTRALIZED WASTE TO THE DRAIN WITH EXCESS WATER.
Neutralizing Agent:CITRIC ACID OR OTHER ACIDIC MATERIAL.

Handling

Handling and Storage Precautions:KEEP AWAY FROM ACIDS. STORE IN A COOL, DRY AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.
Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST OR VAPOR. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING.

Exposure Controls

Respiratory Protection:NONE USUALLY REQUIRED. ALWAYS USE NIOSH/MSHA APPROVED RESPIRATORS WHEN REQUIRED.
Ventilation:NOT NORMALLY REQUIRED. USE LAB HOOD OR OTHER LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW PEL/TLV.
Protective Gloves:RUBBER, VINYL OR OTHER IMPERVIOUS
Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD
Other Protective Equipment:SAFETY SHOWER AND EYE WASH STATION. LAB COAT OR APRON.
Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT.
Supplemental Safety and Health
CHANGE NUMBER 12068.

Chemical Properties

HCC:B1

Boiling Pt: =100.C, 212.F
Spec Gravity: 1.3
pH: 14
Evaporation Rate & Reference: 0.18 (WATER = 1)
Solubility in Water: COMPLETE
Appearance and Odor: CLEAR COLORLESS LIQUID. IRRITATING ODOR.
Corrosion Rate: AL-21.31

Stability

Stability Indicator/Materials to Avoid: YES
ACIDS, METALS, ORGANIC PEROXIDES, EXPLOSIVES, EASILY IGNITABLE MATERIALS.
Stability Condition to Avoid: CONTACT WITH ACIDS, METALS, EXPLOSIVES, ORGANIC PEROXIDES, EASILY IGNITABLE MATERIALS, EXTREME TEMPERATURES.
Hazardous Decomposition Products: CONTACT WITH SOME METALS WILL LIBERATE HYDROGEN GAS (EXPLOSION HAZARD).

Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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