

Material Safety Data Sheet



LIQUID pH PLUS

SECTION I - IDENTIFICATION

MANUFACTURER'S NAMEHaviland Consumer Products Inc.
MANUFACTURER'S ADDRESS421 Ann St., NW, Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBERCHEMTREC (800) 424-9300
EFFECTIVE DATE.....7/15/04
TRADE NAME.....**LIQUID pH PLUS**
CHEMICAL FAMILY.....Alkali

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
Potassium Carbonate	Not Established	Not Established	584-08-7

SECTION III - PHYSICAL DATA

BOILING POINT 230°F
FREEZING POINT -3°C
VAPOUR PRESSURE Not Applicable
VAPOUR DENSITY (air=1) Not Applicable
SOLUBILITY IN H₂O..... Soluble
ODOUR AND APPEARANCE Clear liquid; Odorless
SPECIFIC GRAVITY 1.27
pH..... 1% Solution: 11.3

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD OF DETERMINATIONNot Flammable
LOWER EXPLOSIVE LIMIT (% by Volume) Not Applicable
UPPER EXPLOSIVE LIMIT (% by Volume) Not Applicable
MEANS OF EXTINCTION.....Use extinguishing media for surrounding fires.
SPECIAL FIRE FIGHTING PROCEDURES.....Wear full protective clothing and self-contained breathing apparatus.
UNUSUAL FIRE HAZARD.....None Currently Known

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SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY, REPRODUCTIVE EFFECTS None
NTP? No
IARC MONOGRAPHS? No
OVER EXPOSURE EFFECTS Irritating to skin and mucous membranes. Ingestion may be harmful. Redness of exposed tissue or coughing. Inhalation of product mist may irritate nose, throat and lungs. May irritate or burn eyes. May cause skin irritation.
PRIMARY ROUTE (S) OF ENTRY Skin Contact
SPECIFIC FIRST AID PROCEDURES In case of contact: Immediately flush eyes and skin with plenty of water for at least 15 minutes. For eyes, get medical attention. If inhaled: Remove to fresh air. If swallowed: Drink large quantities of water.
EXPOSURE AGGRAVATED MEDICAL CONDITIONS None Currently Known

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY Stable
CONDITIONS TO AVOID Contact with acids except under controlled conditions.
INCOMPATIBLE MATERIALS Reacts with acids with release of large volumes of carbon dioxide gas and heat. Avoid acids, & fluorine.
HAZARDOUS DECOMPOSITION PRODUCTS Heated to decomposition, it emits fumes of Potassium Oxide.
HAZARDOUS POLYMERIZATION Will Not Occur
POLYMERIZATION AVOID Not Applicable

SECTION VII - SPILL OR LEAK PROCEDURE

LEAK AND SPILL PROCEDURES Soak up with inert absorbent. Use appropriate protective equipment if mist is generated or contact with eyes or skin is expected.
WASTE DISPOSAL Dispose of product and absorbent in accepted landfill in accordance with all local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION Use approved fiber mist mask for low levels of airborne mist.
VENTILATION Local or general room ventilation to control airborne mist that may be generated into the work environment.
PROTECTIVE GLOVES Rubber or other impervious materials.
EYE PROTECTION Chemical splash proof goggles.
OTHER PROTECTIVE EQUIPMENT A safety shower and eye bath should be available. For operations where spills or splashing may occur, use an impervious body covering and boots.
HANDLING PROCEDURES AND EQUIPMENT Store in warm secure area away from acids. Use air/mechanical-pumping systems for bulk transfer to storage. Use appropriate approved respiratory protection when ventilation systems are not available.

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS None
DOT SHIPPING NAME Not Regulated
UN NUMBER None
REPORTABLE QUANTITY (RQ) Not Listed

REFERENCES
ZZ1LPHPL
HMIS H=2 F=0 R=0 P=J