

Material Safety Data Sheet



LIQUID pH MINUS

SECTION I - IDENTIFICATION

MANUFACTURER'S NAMEHaviland Consumer Products, Inc.
MANUFACTURER'S ADDRESS421 Ann St., N.W., Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBERCHEMTREC (800) 424-9300
EFFECTIVE DATE.....5/10/05
TRADE NAME.....**LIQUID pH MINUS**
CHEMICAL FAMILY.....Acid Salt

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
Sodium Hydrogen Sulfate (Sodium bisulfate)	Not Established	Not Established	7861-38-1

SECTION III - PHYSICAL DATA

BOILING POINT Not Determined
FREEZING POINT Not Determined
VAPOUR PRESSURE Not Applicable
VAPOUR DENSITY (air=1) Not Applicable
SOLUBILITY IN H₂O..... Complete
ODOUR AND APPEARANCE Clear liquid.
SPECIFIC GRAVITY 1.27
pH..... Approximately 1.4 (1% solution)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD OF DETERMINATION Will not burn
LOWER EXPLOSIVE LIMIT (% by Volume) Not Applicable
UPPER EXPLOSIVE LIMIT (% by Volume) Not Applicable
MEANS OF EXTINCTION..... Water or dry chemical as appropriate for combustibles in area. Avoid water contact to material if possible.
SPECIAL FIRE FIGHTING PROCEDURES..... If water is used to extinguish this product it may form Sulfuric Acid, wear protective equipment. If elevated temperatures are reached, self-contained breathing apparatus should be worn.
UNUSUAL FIRE HAZARD..... Product readily dilutes in water to form a weak sulfuric acid solution. No gases or toxic fumes are emitted from this reaction, but precautions for exposure to sulfuric acid should be followed.

SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY, REPRODUCTIVE EFFECTS None
NTP?..... No
IARC MONOGRAPHS?..... No
OVER EXPOSURE EFFECTS Mildly corrosive to skin and eyes. May be irritating to skin and mucous membranes. Burning, itching and reddening of skin and eyes.
PRIMARY ROUTE(S) OF ENTRY Eye and 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. Ingestion: Do

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not induce vomiting. Give large amounts of water. Give at least one ounce milk of magnesia or aluminum hydroxide gel in an equal amount of water. Call a Physician Immediately. If inhaled: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. None Currently Known

EXPOSURE AGGRAVATED MEDICAL
CONDITIONS

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY Stable
CONDITIONS TO AVOID Contact with alkali except under controlled conditions.
INCOMPATIBLE MATERIALS Avoid contact with strong alkaline materials. DO NOT MIX WITH CHLORINE BLEACH, AMMONIA CLEANSERS OR SIMILAR PRODUCTS.
HAZARDOUS DECOMPOSITION PRODUCTS None, unless heated over 570oF, At which sulfur dioxide and sulfur trioxide are formed.
HAZARDOUS POLYMERIZATION Will Not Occur
POLYMERIZATION AVOID Not Applicable

SECTION VII - SPILL OR LEAK PROCEDURE

LEAK AND SPILL PROCEDURES Soak up with inert absorbent. Place product and absorbent into a properly marked container. Wash area down with large amounts of water and if possible, neutralize washings with alkali.
WASTE DISPOSAL Use a registered waste disposal contractor or an effluent plant able to neutralize acids. Comply with all federal, state and local regulations.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION Face mask for fine mist.
VENTILATION Sufficient to keep mist below limits.
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 material in a warm, secure area to avoid freezing. Storage area should be ventilated

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS 8, PG II
DOT SHIPPING NAME Corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric acid)
..... Inner packagings in quantities of 1.0 L (0.3 gallon) or less may be shipped
ORM-D
UN NUMBER UN3264
REPORTABLE QUANTITY (RQ) Not Listed

REFERENCES

ZZ1LPHMI HMIS H-1 F-0 R-1