

Material Safety Data Sheet



pH REDUCER

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.....7/15/04
TRADE NAME.....**pH REDUCER**
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 Decomposes at 315oF
FREEZING POINT Approximately 338oF (170oC)
VAPOUR PRESSURE Not Applicable
VAPOUR DENSITY (air=1) Not Applicable
SOLUBILITY IN H₂O..... Complete
ODOUR AND APPEARANCE White/Grey-White Free Flowing Particles
SPECIFIC GRAVITY 2.7
pH..... 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 and product is dissolved, forming Sulfuric Acid, wear protective equipment. If elevated temperatures are reached, self-contained breathing apparatus should be worn.
UNUSUAL FIRE HAZARD..... Product readily dissolves 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.

Material Safety Data Sheet

SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY, REPRODUCTIVE EFFECTS None
NTP? No
IARC MONOGRAPHS? No
OVER EXPOSURE EFFECTS If wet: 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 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.
EXPOSURE AGGRAVATED MEDICAL CONDITIONS None Currently Known

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY Stable
CONDITIONS TO AVOID Store in dry are to avoid moisture contact.
INCOMPATIBLE MATERIALS Avoid contact with strong alkaline materials. Reacts with water to form weak sulfuric acid solution. 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 Sweep up as much as possible for safe disposal. 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 dust.
VENTILATION Sufficient to keep dust 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 Keep material dry. Temperature is not critical.

SECTION IX - SPECIAL PRECAUTIONS

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

REFERENCES

ZZ1PHRDR
HMIS H-1 F-0 R-1

Material Safety Data Sheet