

# Material Safety Data Sheet



## SPA LIQUID pH MINUS

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### SECTION I - IDENTIFICATION

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MANUFACTURER'S NAME .....Haviland Consumer Products Inc.  
MANUFACTURER'S ADDRESS .....421 Ann St., N.W., Grand Rapids, MI 49504  
PHONE NUMBER..... (616) 361-6691  
EMERGENCY PHONE NUMBER .....CHEMTREC (800) 424-9300  
EFFECTIVE DATE.....7/16/04  
TRADE NAME.....**SPA LIQUID pH MINUS**  
CHEMICAL FAMILY.....Acid Salt

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### SECTION II - HAZARDOUS INGREDIENTS

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

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### SECTION III - PHYSICAL DATA

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BOILING POINT ..... Not Determined  
FREEZING POINT ..... Not Determined  
VAPOUR PRESSURE ..... Not Applicable  
VAPOUR DENSITY (air=1) ..... Not Applicable  
SOLUBILITY IN H<sub>2</sub>O..... Complete  
ODOUR AND APPEARANCE ..... Clear liquid.  
SPECIFIC GRAVITY ..... 1.27  
pH..... Approximately 1.4 (1% solution)

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### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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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.

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### SECTION V - HEALTH HAZARD DATA

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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

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## SECTION VI - REACTIVITY DATA

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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

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## SECTION VII - SPILL OR LEAK PROCEDURE

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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.

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## SECTION VIII - SPECIAL PROTECTION

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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

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## SECTION IX - SPECIAL PRECAUTIONS

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

REFERENCES

ZZ1SLPHM HMIS H-1 F-0 R-1