

**MSDS - Material Safety Data Sheet****Product Name: PH Plus (SPA)**

MSDS No.: 039930

**Part Numbers Covered:**

039930

**I. Basic Information:****Manufacturer:** WILLIAM H. HARVEY COMPANY**Address:** 4334 SOUTH 67TH STREET**City, ST Zip:** OMAHA, NE 68117-1019**Emergency Contact:** CHEMTREC**Emergency Telephone Number:** (800)424-9300**Contact:** Ray Rael / Jason Hertz**Information Telephone Number:** (800)228-9681**Last Update:** 07/08/2002**Expiration Date:****Chemical State:**  Liquid  Gas  Solid**Chemical Type:**  Pure  Mixture

1	Health
0	Flammability
0	Reactivity
E	Pers. Protection

**II. Ingredients:** Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
497198	Sodium Carbonate	NI						NI	NI	NI	

**III. Hazardous Identification:****Hazard Category:**
 Acute  Chronic  Fire  Pressure  Reactive
**Hazardous Identification Information:**

NDA

**IV. First Aid Measures:****Route(s) of Entry:**

SKIN CONTACT, INHALATION

**Health Hazards (Acute and Chronic):**

EYE IRRITATION AN BURNS, SKIN IRRITATION AND BURNS, LUNG IRRITATION, IRRITATION FROM INGESTION.

**Signs and Symptoms:**

SAME AS HEALTH HAZARDS

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**Medical Conditions Generally Aggravated by Exposure:**

NONE CURRENTLY KNOWN

**Emergency and First Aid Procedures:**

EYES-IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, WHILE HOLDING EYELIDS APART TO ENSURE FLUSHING OF THE ENTIRE SURFACE. CALL A PHYSICIAN.

SKIN-IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. THOROUGHLY CLEAN CLOTHING AND SHOES BEFORE REUSE. CALL A PHYSICIAN.

INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLE MOUTH TO MOUTH. IF BREATHING IS DIFFICULT GIVE OXYGEN. CALL A PHYSICIAN.

INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. DILUTE STOMACH CONTENTS BY DRINKING WATER. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT BREATHING VOMIT INTO LUNGS. CALL A PHYSICIAN IMMEDIATELY.

EMERGENCY FIRST AID CALL: 1-303-623-5716 COLLECT

**Other Health Warnings:**

NONE CURRENTLY KNOWN

## V. Fire Fighting Measures:

**Flash Point:** N/A

**Lower Explosive Limit:** N/D

**Upper Explosive Limit:**

**F.P. Method:**

**Fire Extinguishing Media:** MEDIA APPROPRIATE FOR SURROUNDING FIRE. PREVENT HUMAN EXPOSURE TO FIRE, FUMES, SMOKE, AND PRODUCTS OF COMBUSTION. EVACUATE NON ESSENTIAL PERSONNEL. FIREFIGHTERS SHOULD WEAR FULL FACE, SCBA AND IMPERVIOUS PROTECTIVE CLOTHING.

**Special Fire Fighting Procedures:**

SAME AS FOR EXTINGUISHING FIRE MEDIA

**Unusual Fire and Explosion:**

DUST CAN BE AN EXPLOSION HAZARD. PREVENT BUILD UP OF DUST ON WALLS, FLOORS, AND EQUIPMENT.

## VI. Accidental Release Measures:

**Steps to be Taken in Case Material is Released or Spilled:**

IN CASE OF SPILLS CONTAIN AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. SWEEP, SHOVEL, OR PICK UP AND RETURN TO DRY, CLEAN CONTAINER.

## VII. Handling and Storage:

**Precautions to be Taken:**

WEAR PROTECTIVE CLOTHING WHEN HANDLING. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. DO NOT BREATHE DUST. DO NOT GET IN EYES, SKIN OR CLOTHING. DO NOT SWALLOW.

CONTAINER IS HAZARDOUS WHEN EMPTY. EMPTY CONTAINER CONTAINS PRODUCT RESIDUES. ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED.

KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A COOL DRY PLACE. KEEP OUT OF REACH OF CHILDREN.

**Other Precautions:**

NONE KNOWN

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## VIII. Exposure Controls/Personal Protection:

### Ventilation Requirements:

ADEQUATE VENTILATION IS REQUIRED TO MINIMIZE EXPOSURE OR TO MAINTAIN EXPOSURE LEVELS BELOW OSHA/ACGIH REQUIREMENTS. LOCAL MECHANICAL VENTILATION MAY BE REQUIRED.

### Personal Protective Equipment:

EYES-CHEMICAL GOGGLES. DO NOT WEAR CONTACT LENSES  
SKIN-COMplete BODY COVERING, IMPERVIOUS GLOVES, SAFETY HELMENT  
INHALATION-IF EXPOSURE LIMITS ARE EXCEEDED REFER TO THE MOST RECENT NIOSH PUBLICATIONS CONCERNING CHEMICAL COMPLIANCE WITH OSHA REQUIREMENTS IN 29 CFR 1910.134. USE POSITIVE PRESSURE NIOSH/MSHA APPROVED POSITIVE PRESSURE BREATHING APPARATUS THAT SHOULD BE READILY AVAILABLE.

## IX. Physical and Chemical Properties:

**Boiling Point:** 752 DEG

**Melting Point:** N/D

**Evaporation Rate (Butyl Acetate = 1):** NA

**Vapor Pressure (mm Hg.):** N/D

**Specific Gravity (H2O = 1):** 2.50000

**Vapor Density (AIR = 1):** N/D

**Solubility In Water:** 23%

**Appearance and Odor:** POWDER, CRYSTAL, FLAKE, GRANULE OD

### Other Information:

## X. Stability and Reactivity:

### Stability:

STABLE

### Incompatibility (Materials to Avoid):

INORGANIC ACIDS

### Decomposition/By Products:

CARBON MONOXIDE, CARBON DIOXIDE

### Hazardous Polymerization:

WILL NOT OCCUR

## XI. Toxicological Information:

NDA

## XII. Ecological Information:

NDA

## XIII. Disposal Considerations:

MATERIAL THAT CAN NOT BE USED OR CHEMICALLY REPROCESSED SHOLD BE DISPOSED OF AT AN APPROVED GACILITY IN ACCORDANCE WITH ANY APPLICABLE REGULATIONS UNDER THE RCRA. DISPOSE OF MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. LOCAL REGULATIONS MAY BE MORE STRINGENT THAT FEDERAL OR STATE.

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***XIV. Transport Information:***

***XV. Regulatory Information:***

NDA

***XVI. Other Information:***

NONE KNOWN AT THIS TIME

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