

MSDS - Material Safety Data Sheet

Product Name: PH Minus (SPA)

MSDS No.: 039935

Part Numbers Covered:

039935

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



1	Health
0	Flammability
0	Reactivity
A	Pers. Protection

Last Update: 07/08/2002 **Expiration Date:**
Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture

II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB	Z	313				
7631905	SODIUM BISULFITE	NI							1.2	1.2	NI
7681574	SODIUM METABISULFITE	NI							.6	.6	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 AND INHALATION

Health Hazards (Acute and Chronic):
 ACUTE AND CHRONIC

Signs and Symptoms:

MSDS - Material Safety Data Sheet

Product Name: PH Minus (SPA)

MSDS No.: 039935

EYES: MAY CAUSE MILD IRRITATION

SKIN: MAY CAUSE MILD IRRITATION

INHALATION: MAY CAUSE MILD IRRITATION, NAUSEA, VOMITING, DIARRHEA, SWELLING, BREATHING DIFFICULTY, UNCONSCIOUSNESS, CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION. SYMPTOMS OF EARLY TO MODERATE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION INCLUDE GIDDINESS, DIZZINESS, CONFUSION, DRUNKEN BEHAVIOR, HEADACHE, NAUSEA, DIARRHEA, VOMITING, TIREDNESS AND DROWSINESS. IN EXTREME CASES, SYMPTOMS OF CNS DEPRESSION INCLUDE STUPOR, CONVULSIONS, UNCONSCIOUSNESS, COMA AND EVEN DEATH.

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 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, PREFERABLY MOUTH TO MOUTH. IF BREATHING IS DIFFICULT GIVE OXYGEN. CALL A PHYSICIAN.

INGESTION: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN.

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

Other Health Warnings:

NI

V. Fire Fighting Measures:

Flash Point: NI

Lower Explosive Limit: NI

Upper Explosive Limit:

F.P. Method:

Fire Extinguishing Media: MEDIA APPROPRIATE FOR SURROUNDING FIRE

Special Fire Fighting Procedures:

PREVENT HUMAN EXPOSURE TO FIRE, FUMES, SMOKE, AND PRODUCTS OF COMBUSTION. EVACUATE NON ESSENTIAL PERSONNEL. FIREFIGHTERS SHOULD WEAR FULL FACE, SELF CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING. NOT CONSIDERED A FIRE HAZARD.

Unusual Fire and Explosion:

DUST CAN BE AN EXPLOSION HAZARD. PREVENT BUILDUP OF DUST ON WALLS, FLOORS, AND EQUIPMENT. TOXIC FUMES MAY BE RELEASED.

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. FLUSH SPILL AREA WITH WATER.

VII. Handling and Storage:

Precautions to be Taken:

KEEP AWAY FROM WATER OR ACID. LOOSEN CLOSURES CAREFULLY. ATTENTION: THIS CONTAINER HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINER CONTAIN PRODUCT RESIDUES (VAPOR OR LIQUID), ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED.

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

Other Precautions:

MSDS - Material Safety Data Sheet

Product Name: PH Minus (SPA)

MSDS No.: 039935

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

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: SAFETY GLASSES WITH SIDE SHIELD CHEMICAL GOGGLES. ALWAYS WEAR EYE PROTECTION WHEN WORKING WITH CHEMICALS. DO NOT WEAR CONTACT LENSES WHEN WORKING WITH CHEMICALS.

SKIN: CLEAN BODY COVERING CLOTHING, IMPERVIOUS GLOVES

INHALATION: IF EXPOSURE LIMITS ARE EXCEEDED, OR IF EXPOSURE MAY OCCUR, USE A NIOSH/MSHA RESPIRATOR APPROVED FOR YOUR CONDITIONS OF EXPOSURE. REFER TO THE MOST RECENT NIOSH PUBLICATIONS CONCERNING CHEMICAL HAZARDS, OR CONSULT YOUR SAFETY EQUIPMENT SUPPLIER. RESPIRATORY PROTECTION PROGRAMS MUST BE IN COMPLIANCE WITH OSHA REQUIREMENTS IN 29 CFR 1910.134. FOR EMERGENCIES, A NIOSH/MSHA APPROVED POSITIVE PRESSURE BREATHING APPARATUS SHOULD BE READILY AVAILABLE.

IX. Physical and Chemical Properties:

Boiling Point: NI

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): NI

Vapor Pressure (mm Hg.): NI

Specific Gravity (H2O = 1): 1.48000

Vapor Density (AIR = 1): NI

Solubility In Water: 100%

Appearance and Odor: SOLID - POWDER, CRYSTAL, FLAKE, GRA

Other Information:

X. Stability and Reactivity:

Stability:

STABLE

Incompatibility (Materials to Avoid):

BLEACHING AGENTS (OXIDIZERS), INORGANIC ACIDS, INORGANIC BASES. AVOID CONTACT WITH BLEACHING AGENTS AND OXIDIZERS WHICH INCLUDE CHLORINE, OXYGEN, PERMANGANATES, PERCHLORATES, PERCARBONATES, PEROXIDES, CHROMATES, HYPOCHLORITES, NITRIC ACID, AND SULFURIC ACID.

Decomposition/By Products:

CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF SULFUR

Hazardous Polymerization:

WILL NOT OCCUR

XI. Toxicological Information:

NDA

XII. Ecological Information:

NDA

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MATERIAL THAT CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF AT AN APPROVED FACILITY IN ACCORDANCE WITH ANY APPLICABLE REGULATIONS UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT. DISPOSE OF MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. LOCAL REGULATIONS MAY BE MORE STRINGENT THAN FEDERAL OR STATE.

XIV. Transport Information:***XV. Regulatory Information:***

NDA

XVI. Other Information:

NI

SAFETY SHOWER, EYE WASH FOUNTAIN, AND WASHING FACILITIES SHOULD BE READILY AVAILABLE.