

**SECTION 1 IDENTIFICATION**

Company Name The McGregor Company

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24 HOUR EMERGENCY NUMBER/CHEMTREC (USA)
1-800-424-9300Poison Control Center (USA)
1-800-222-1212Product Identity **Spectra pH**

Reference/Item Number SPH01, SPH30

Intended Use See technical data sheet.

Application Method See technical data sheet.

SECTION 2 HAZARD(S) IDENTIFICATION

Using the toxicity data listed in Sections 11 and 12, the product is labeled as follows:

[ACUTE TOX 4]:**H302:** Harmful if swallowed.**[SKIN CORR 1B]:****H314:** Causes severe skin burn and eye damage.**[EYE DAMAGE 1]:****H318:** Causes serious eye irritation.**[COMBUSTIBLE LIQUID]:****H227:** Combustible liquid.**[PREVENTION]:****P264:** Wash thoroughly after handling.**P280:** Wear protective gloves and eye/face protection.**P210:** Keep away from heat/sparks/open flames/hot surfaces. No smoking.**P260:** Do not breathe mist/vapors/spray.**P270:** Do not eat, drink or smoke when using this product.**[RESPONSE]:****P305+351+338:** If in eyes, rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.**P303+361+353:** If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.**P363:** Wash contaminated clothing before reuse.**P301+330+331:** If swallowed, rinse mouth. Do not induce vomiting.**P312:** Call a poison center or doctor/physician if you feel unwell.**P304+340+312:** If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.**P370+376:** In case of fire, stop leak if safe to do so.**[STORAGE]:****P403+235:** Store in a well-ventilated space. Keep cool.**P404+234:** Store in a closed container. Keep only in original container.**P405:** Store locked up.**[DISPOSAL]:****P501:** Dispose of contents/container in accordance with local/national regulations.**HAZARD COMMUNICATION STANDARD (HCS) PICTOGRAM(S)****DANGER****SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

This product is labeled with the following GHS classifications, as it contains substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. This product is a proprietary blend and the ingredients and mixture percentages are being withheld as confidential business information.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Proprietary blend of surfactants, phosphoric acid and solvent	100	Combustible Liq; H227 / Acute Tox. 4; H302 / Skin Corr. 1B; H314 / Eye Dam. 1; H318	[1] [2]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

H302: Harmful if swallowed.**H314:** Causes severe skin burns and eye damage.**H318:** Causes serious eye damage.**H227:** Combustible Liquid**This product contains:**

Ingredient: ethylene glycol / CAS No: 107-21-1 / Wt%: 0.1-0.5

Ingredient: phosphoric acid / CAS No: 7664-38-3 / Wt%: 10-20

Ingredient: n-butyl alcohol / CAS No: 71-36-3 / Wt%: 1-5

SECTION 4 FIRST AID MEASURES

[DESCRIPTIONS]:

- General:** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
- Eyes:** Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.
- Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion:** If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

[MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED]:

- Overview:** This product causes eye burns and skin burns. Injury may be permanent. It may not produce an immediate burning sensation upon skin contact, delaying the awareness of the worker that contact has occurred. Breathing of vapor or mist may be irritating to the respiratory tract.
- Eyes:** Causes serious eye damage.
- Ingestion:** Harmful if swallowed.
- Skin:** Causes severe skin burns and eye damage.

SECTION 5 FIRE FIGHTING MEASURES

- Extinguishing Media:** Recommended extinguishing media: alcohol resistant foam, CO₂, powder, water spray. Do not use water jet.
- Special Hazards:** Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus may also be formed. This product may react with metals to liberate dangerous hydrogen gas. Keep away from heat / sparks / open flames / hot surfaces. No smoking. Do not breathe mist/vapors/spray.
- Advice For Firefighters:** Evacuate area. Prevent contamination from run-off adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems. Exposed firefighters must wear standard protective equipment and in enclosed areas self-contained breathing apparatus. Use water-spray to cool fire exposed surfaces and personnel.
- ERG Guide No.** ----

SECTION 6 ACCIDENTAL RELEASE MEASURES

- Personal Precautions, Protective Equipment and Emergency Procedures:** Keep all sources of ignition away from spill/release. In case of a major spill or spillage in a confined space evacuate the area and check vapor levels.
- Environmental Precautions:** Do not allow spills to enter drains or water courses.
- Methods and Material For Containment and Cleaning Up:** Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in Section 8. Contain large spills with diked and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and then place in a chemical waste container. Neutralize washings with a base such as soda ash or lime. Flush residual spill area with large amounts of water.

SECTION 7 HANDLING AND STORAGE

- Precautions For Safe Handling:** Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before reuse. Destroy contaminated belts and shoes and other items that cannot be decontaminated. See Section 2 for further details [PREVENTION].
- Conditions For Safe Storage:** Store in tightly closed containers in dry, well-ventilated area away from excessive heat and incompatibles. See Section 2 for further details. [STORAGE]
- Incompatible Materials:** Strong acids, strong bases, oxidizing agents, strong reducing agents, strong alkalis, fluorine, most metals.
- Specific End Use(s):** See technical data sheet.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

This product contains the following ingredients with established limits for exposure under OSHA, ACGIH and/or NIOSH.

Exposure Data:	CAS No.	Ingestion	Source	Value
	0000071-36-3	n-Butyl Alcohol	OSHA	TWA: 100 ppm (300 mg/m ³)
			ACGIH	TWA: 15 ppm, Ceiling: 30 ppm
			NIOSH	C 50 ppm (150 mg/m ³) [skin]

Exposure Data:	CAS No.	Ingestion	Source	Value
	0007664-38-2	Phosphoric Acid	OSHA	TWA: 1 mg/m ³
			ACGIH	TWA: 1 mg/m ³ , STEL: 3 mg/m ³
			NIOSH	TWA: 1 mg/m ³ , ST 3 mg/m ³

Carcinogen Data: This product contains no ingredients (at greater than 0.1%) that are suspected of being or known to be a carcinogen under OSHA, NTP or IARC.

[EXPOSURE CONTROLS]:

- Respiratory:** Avoid breathing vapor or mist. Use NIOSH/MSHA approved respiratory protection equipment (full face piece recommended) when airborne exposure limits are exceeded.
- Eyes:** Wear chemical goggles, a face shield, and if necessary, a full respirator when conditions warrant or exceed the Occupation Exposure Limit.
- Skin:** Wear impervious protective gloves and clothing to prevent contact to skin. Wash immediately if skin is contaminated. Remove contaminated clothing promptly and launder before reuse. Clean personal protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.
- Engineering Controls:** Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates, and any vapor below occupational exposure limits, suitable respiratory protection must be worn.
- Other Work Practices:** See technical data sheet. See Section 2 for further details [PREVENTION].

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid	Upper Flammability Limits:	Upper Explosive Limit: Not measured
Odor:	Mild	Lower Flammability Limits:	Lower Explosive Limit: Not measured
Odor Threshold:	Not measured	Vapor Pressure (Pa):	Not measured
pH:	2.0 (1% aqueous dilution)	Vapor Density:	Not measured
Melting/Freezing Points (°C):	Not measured	Solubility in Water:	Soluble
Initial Boiling Point/Range (°C):	Not measured	Partition Co-efficient n-octanol/water (Log Kow):	Not measured
Flash Point:	>84° C / >183°F (SETA FLASH Closed Cup)	Auto-Ignition Temperature (°C):	Not measured
Evaporation Rate (Ether=1):	Not measured	Decomposition Temperature:	Not measured
Flammability (Solid, Gas):	Not applicable	Viscosity (cSt):	Not measured
Specific Gravity @ 20°C	1.13 @ 20°C	VOC %:	Not measured
Other Information:	See technical data sheet	Density, g/ml @ 25°C:	Not measured

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	Reactive with most metals. Reaction with metals may release hydrogen gas.
Chemical Stability:	Stable under normal storage and handling conditions.
Hazardous Reactions:	Reactive with most metals. Reaction with metals may release hydrogen gas.
Conditions To Avoid:	Extreme heat, sparks, open flame, incompatibles.
Incompatible Materials:	Strong acids, strong bases, oxidizing agents, strong reducing agents, strong alkalis, fluorine, most metals.
Hazardous Decomposition Prod.:	Not anticipated under normal conditions of use.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Ingredients	Oral LD50 mg/kg	Skin LD50mg/kg	Inhalation Vapor/Dust/Mist LD50mg/L/4hr
	Poly(oxy-1,2-ethanddiyl), alpha-(4-nonylphenyl)-omega-hydroxy-branched-(Proprietary)	1,000.00/Category: 4	>5,000/ Category: NA	No data available
Category 4:	Item: Acute Toxicity (mouth) / Hazard: Harmful if swallowed.			
Category --:	Item: Acute Toxicity (skin) / Hazard: Not applicable			
Category --:	Item: Acute Toxicity (inhalation) / Hazard: Not applicable.			
Category 1B:	Item: Skin Corrosion/Irritation / Hazard: Causes severe skin burns and eye damage.			
Category 1:	Item: Eye Damage/Irritation / Hazard: Causes serious eye damage.			
Category --:	Item: Sensitization (respiratory) / Hazard: Not applicable.			
Category --:	Item: Sensitization (skin) / Hazard: Not applicable.			
Category --:	Item: Germ Toxicity / Hazard: Not applicable.			
Category --:	Item: Carcinogenicity / Hazard: Not applicable.			
Category --:	Item: Reproductive Toxicity / Hazard: Not applicable.			
Category --:	Item: Specific Target Organ Systemic Toxicity (single exposure) / Hazard: Not applicable.			
Category --:	Item: Specific Target Organ Systemic Toxicity (repeated exposure) / Hazard: Not applicable.			
Category --:	Item: Aspiration Hazard / Hazard: Not applicable.			

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:	No additional information provided for this product. See Section 3 for chemical specific data.
Aquatic Ecotoxicity:	This product is not expected to be toxic to the aquatic environment. However, ecotoxicity testing has not been conducted on this preparation.
Persistence and Degradability:	There is no data available on the preparation itself.
Bioaccumulative Potential:	Not measured.
Mobility in Soil:	No data available.
Results of PBT and vPvB Assess:	This product contains no PBT/vPvB chemicals.
Other Adverse Effects:	No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply. Dispose of contents in accordance with local and national regulations.

SECTION 14 TRANSPORT INFORMATION

UN Number:	UN1760	
UN Proper Shipping Name:	UN 1760, Corrosive Liquid, N.O.S. (phosphoric acid), 8(3), PGIII (contains butanol), RQ 31,250 lbs (phosphoric acid)	
Transport Hazard Class(es):	DOT (Domestic Surface Transportation):	IMO/IMDG (Ocean Transportation), ICAO/IATA (Air Transportation):
	DOT Proper Shipping: See UN Proper Shipping Name above	Proper Shipping Name: See UN Proper Shipping Name above
	DOT Hazard Class: 8, 3	Hazard Class: 8
	DOT Label: 8, comb. liq.	Packing Group: III
	UN/NA Number: UN1760	UN/NA Number: UN1760
	DOT Packing Group: III	
Special Precautions For User:	Not applicable	
Transport:	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable	
Environmental Hazards IMDG:	Marine Pollutant: No	
Packing Group:	III	

SECTION 15 REGULATORY INFORMATION

Regulatory Overview: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) inventory or are not required to be listed on the TSCA inventory.

WHMIS Classification: B3 D2B E

US EPA Tier II Hazards: Fire: Yes / Sudden Release of Pressure: No / Reactive: No / Immediate (acute): Yes / Delayed (chronic): No

EPCRA 311/312: Chemicals and RQs (>0.1%): Ethylene glycol (5,000.00), n-Butyl Alcohol (5,000.00), Phosphoric acid (5,000.00)

EPCRA 302: Extremely Hazardous (>0.1%): No known products.

EPCRA 313 Toxic Chemicals (>0.1%): Ethylene glycol, n-Butyl alcohol

Proposition 65 Carcinogens (>0.0%): 1,4-dioxane, Acetaldehyde, Oxirane

Proposition 65: Developmental Toxins (>0.0%): No known products.

Proposition 65: Female Repro Toxins (>0.0%): Oxirane

Proposition 65: Male Repro Toxins (>0.0%): Oxirane

N.J. RTK Substance (>1%): n-Butyl alcohol, Phosphoric acid

Penn RTK Substances (>1%): Diethylene glycol, n-Butyl alcohol, Phosphoric acid

SECTION 16 OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.