


Section 1	Product Description
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PRODUCT NAME: surpHace pHresh CONCENTRATE
 Recommended Use: Hard surface disinfectant for food contact surfaces
 Synonyms:
 Supplier: pHresh Technologies, LLC
 1460 NW Olympic Drive Suite K
 Grain Valley, MO 64029 888.998.7774

Emergency Telephone: Chemtrec 800.424.9300

Section 2	Hazard Identification
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WARNING

Hazard Statement:	May be corrosive to Metals May cause eye irritation May cause skin irritation	
Prevention:	Keep only in original container. Do not breathe mist/vapors/spray. Do not get in eyes, or skin, or on clothing. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.	
Response:	Absorb spillage to avoid material damage IF ON SKIN: Remove all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do not induce vomiting IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. If irritation persists: get medical attention. IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.	
Storage/Disposal:	Store in corrosive resistant/ container with a resistant inner liner. Store locked up. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations	

Section 3	Composition / Information on Ingredients
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Chemical Name	CAS #	%
Water	7732-18-5	65-85
Sulfuric Acid	7664-93-9	15-25
Calcium Hydroxide	1305-62-0	1-6
Emulsifier	9005-65-6	0-1

Section 4	First Aid Measures
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Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Skin Contact:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion:	If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5	Firefighting Procedures
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Extinguishing Media:	Dry chemical, foam or carbon dioxide. Water spray may be used to keep fire exposed containers cool.
Fire Fighting Methods and Protection:	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Structural firefighter's clothing is ineffective for fires involving this material. Stay away from sealed containers.
Fire and/or Explosion Hazards:	A mild exothermic reaction may occur when undiluted surpHace pHresh CONCENTRATE is added to water.

Section 6	Spill or Leak Procedures
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Steps to Take in Case Material is Released or Spilled:	Ventilate area of leak or spill. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer. US regulations (CERCLA) require reporting spills and releases to soil, water, and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is 800-424-8802.
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Section 7	Handling and Storage
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Handling:	Product should be used in accordance with good industrial principals for handling and storage of hazardous chemicals. Avoid contact with skin or eyes.
Storage:	Store in well ventilated storage area. Protect from physical damage. Keep away from incompatible materials. When diluting, always add surpHace pHresh CONCENTRATE to water; never add water to undiluted surpHace pHresh CONCENTRATE
Storage Criteria:	Corrosive storage.

Section 8	Protection Information
<p>Airborne Exposure Limits:</p> <p>Skin Protection:</p> <p>Eye Protection:</p>	<p>For undiluted surpHace pHresh CONCENTRATE</p> <p>-OSHA Permissible Exposure Unit (PEL): 1mg/m³ (TWA)</p> <p>-ACGIH Threshold Unit Value (TLV): 1 mg/m³ (TWA), 3 mg/m³ (STEL), A2 - suspected human carcinogen for ANY strong inorganic acid mists.</p> <p>Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent long term skin contact.</p> <p>Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area</p>
Section 9	Physical Data
<p>Boiling Point:</p> <p>Physical State:</p> <p>Specific Gravity:</p> <p>Appearance:</p> <p>Odor:</p> <p>pH:</p>	<p>104°C – 105°C</p> <p>Liquid</p> <p>(H₂O = 1.0): 1.05 - 1.2</p> <p>slightly white colored, slightly cloudy (opaque) liquid</p> <p>Slightly fain, aromatic like</p> <p>1.0-2.0</p>
Section 10	Reactivity Data
<p>Chemical Stability:</p> <p>Conditions to Avoid:</p> <p>Materials to Avoid:</p> <p>Hazardous Decomposition Products:</p>	<p>Stable under normal conditions</p> <p>Excessive Heat (>100°C) and incompatibles.</p> <p>Potassium chlorate, potassium perchlorate, potassium permanganate, sodium, lithium, bases, organic material, halogens, metal acetylides, oxides and hydrides, metals (yields hydrogen gas), strong oxidizing and reducing agents and many other reactive substances.</p> <p>Reacts with carbonates to generate carbon dioxide gas, and with cyanides and sulfides to form poisonous hydrogen cyanide and hydrogen sulfide respectively.</p>
Section 11	Toxicological Information
<p>Toxic Dose:</p> <p>Carcinogenicity:</p>	<p>THIS SECTION REFERS TO DOSING IN CONCENTRATED FORM (EXTREMELY LOW pH), AND DOES NOT APPLY TO DILUTED DOSAGE FORMS.</p> <p>Oral rat LD₅₀ 1750 mg/kg; Inhalation rat LC₅₀ > (greater than) 2.09 mg/L; causes irreversible destruction to ocular tissue.</p> <p>Dermal rat LD₅₀ > (greater than) 5,000 mg/kg</p> <p>Cancer Status: The International Agency for Research on Cancer (IARC) has classified ALL "strong Inorganic acid mists" as a known human carcinogen, (IARC category 1).</p>
Section 12	Ecological Information
<p>Environmental Fate:</p> <p>Environmental Toxicity:</p>	<p>When released into the soil, this undiluted surpHace pHresh CONCENTRATE may leach into groundwater. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition. When released into the air, this material may be removed from the atmosphere to a moderate extent by dry deposition.</p> <p>This undiluted pHresh 10.0 may be toxic to aquatic life.</p>
Section 13	Disposal Information
<p>Disposal Methods:</p> <p>Waste Class:</p>	<p>Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.</p> <p>RCRA P-Series: None listed. RCRA U-Series: None listed.</p>
Section 14	Transport Information
<p>Shipping Name:</p> <p>Hazard Class:</p> <p>UN Number:</p> <p>Packing Group:</p>	<p>Sulfuric Acid with not more than 51% acid</p> <p>8</p> <p>UN2796</p> <p>II</p>
Section 15	Regulatory Information
<p>TSCA Status:</p> <p>Health & Safety Reporting List:</p> <p>Chemical Test Rules:</p> <p>Section 12b:</p> <p>TSCA Significant New Use Rule:</p> <p>SARA Section 313</p> <p>Clean Air Act:</p> <p>Clean Water Act:</p> <p>OSHA:</p> <p>State:</p>	<p>CAS# 7664-93-9 is listed on the TSCA inventory.</p> <p>None of the chemicals are on the Health & Safety Reporting List.</p> <p>None of the chemicals in this product are under a Chemical Test Rule.</p> <p>None of the chemicals are listed under TSCA Section 12b.</p> <p>None of the chemicals in this material have a SNUR under TSCA.</p> <p>pHresh 10.0 may contain sulfuric acid (CAS# 7664-93-9, 95 98 0%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.</p> <p>This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.</p> <p>CAS# 7664-93-9 is listed as a Hazardous Substance under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.</p> <p>None of the chemicals in this product are considered highly hazardous by OSHA.</p> <p>CAS# 7664-93-9 can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, and Massachusetts.</p> <p>California No Significant Risk Level: None of the chemicals in this product are listed. European/International Regulations</p> <p>European Labeling in Accordance with EC Directives</p>
Section 16	Other Information
<p>Creation Date</p> <p>Revision Date</p> <p>Disclaimer:</p>	<p>3/17/2009</p> <p>4/23/2015</p> <p>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall pHresh Technologies be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if pHresh Tehcnologies has been advised of the possibility of such damages</p>