



Date: 08/10/2015

Revision: 00

Safety Data Sheet Clean Cell Plus

Section 1: Identification

Product Identifier:	Clean Cell Plus
Other Means of Identification:	None
Recommended Use:	Salt chlorinator cell cleaning product
Manufacturer's Name:	Spec Chem Direct, Inc.
Corporate Address:	6506 S 209th St., Kent, WA, 98032
Manufacturer's Telephone:	(253) 277-3143 (Monday-Friday, 8AM-5PM PT)
Emergency Phone Number:	(253) 277-3143 (Monday-Friday, 8AM-5PM PT)

Section 2: Hazard(s) Identification

Hazard Classification:	Causes Burns
Signal Word:	DANGER
Hazard statement(s):	Causes severe skin burns and eye damage. Harmful to aquatic life due to low pH.

Pictograms:



Precautionary Statement(s): Keep out of reach of children. Do not breathe fumes, mists, vapors or spray. Do not get in eyes, on skin, or on clothing. Wash contacted areas thoroughly after handling. Avoid release to the environment. Wear protective gloves, protective clothing and eye or face protection.

Hazards Not Otherwise Classified: N/A

Ingredient(s) With Unknown Toxicity: 0% of the mixture consists of ingredient(s) with unknown acute toxicity.

Section 3: Composition/Information on Ingredients

Ingredients	% by weight	CAS #
Phosphoric acid	42%	7664-38-2
Water	to 100%	7732-18-5

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

Impurities and Stabilizing Additives, Which Are Themselves Classified and Which Contribute to the Classification of the Chemical: None

The Chemical Name and Concentration of All Ingredients Which Are Classified As Health Hazards and Are Present Above Their Cut-Off/Concentration Limits or Present a Health Risk Below the Cut-Off/Concentration Limits: None

Chemicals Where a Trade Secret Is Claimed: None

Section 4: First-Aid Measures

Inhalation: No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Skin: Wash contaminated area with running water for at least 15-20 minutes, while removing contaminated clothing. Obtain medical attention. Launder contaminated clothing before re-use.

Eyes: Remove contact lenses (if applicable), flush with water for 15 - 20 minutes. Obtain medical attention.

Ingestion: NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. Obtain medical attention immediately.

Most Important Symptoms or Effects, and Any Symptoms That Are Acute or Delayed: N/A

Recommendations for Immediate Medical Care and Special Treatment Needed, When Necessary: N/A

Section 5: Fire-Fighting Measures

Suitable / Unsuitable Extinguishing Equipment: Does not burn under normal handling conditions. Water fog or fine spray is the preferred medium for large fires. Aim to dilute the material with large quantities of water. If practical, contain diluted material and prevent from entering drains and water courses.

Specific Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Special Protective Equipment or Precautions for Fire Fighters: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Section 6: Accidental Release Measures

Personal Precautions: Refer to Section 8: Exposure Controls/Personal Protection and Section 7: Handling and Storage.

Emergency Procedures: Ventilate area of release. Eliminate all sources of ignition. Confine spill, preventing it from entering sewer lines or waterways.

Methods and Materials for Containment and Cleanup: Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Because of the corrosiveness of this product, special personal care should be taken in any cleanup operation. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever

possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Contaminated area may be neutralized by washing with weak or dilute alkali. Baking soda, washing soda and limestone are suitable. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry. Dispose of per guidelines under Section 13: Disposal Considerations.

Section 7: Handling and Storage

Handling: Avoid contact with eyes, skin, and clothing. User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Wash the outside of gloves before removing. Follow manufacturer's instructions for cleaning/maintaining PPE. If not such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Storage: Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Store away from bases, zinc, tin, aluminum and their alloys.

Section 8: Exposure Controls/Personal Protection

OSHA Permissible Exposure Limits (PELs): Unknown.

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs): Unknown.

Any Other Exposure Limit Used or Recommended: Phosphoric acid TWA (mg/m³) 1, STEL (mg/m³) 3.

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Appropriate Engineering Controls: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapors and mists are minimized.

Individual Protection Measures (Personal Protective Equipment – PPE): Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mist, vapor and dust from entering the eyes. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area. Avoid generating high concentrations of dusts, vapors or mists. Avoid contact with skin and eyes. Avoid breathing dusts, vapors or mists. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

Section 9: Physical and Chemical Properties

Appearance: Clear, slightly viscous liquid

Odor: No odor

Odor threshold: No data available.

pH: Corrosive

Melting Point/Freezing Point: Approximately 0°C

Initial Boiling Point and Boiling Range: Approximately 100°C at 100kPa

Flash Point: Does not burn

Evaporation Rate: No data available

Flammability (Solid, Gas): Does not burn

Upper/Lower Flammability or Explosive Limits: Does not burn

Vapor Pressure: 2.37 kPa at 20°C (water vapor pressure)

Vapor Density: No data available

Relative Density: No data available

Solubility(ies): Completely soluble in water

Partition Coefficient (n-octanol/water): No data available.

Auto-ignition Temperature: Product will not auto-ignite.

Decomposition Temperature: No data available.

Viscosity: No data available.

NOTE: *These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications.*

Section 10: Stability and Reactivity

Reactivity: Most strong acids react with inorganic and organic bases such as amines to form salts. They also react with many metals liberating hydrogen gas. These reactions are often rapid and sometimes liberate much heat. They can also decompose many organic materials such as esters, in a reaction called hydrolysis.

Chemical Stability: Material is stable under normal temperatures.

Possibility of Hazardous Reactions: This product is unlikely to undergo polymerization processes.

Conditions to Avoid: Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatible Materials: Bases, zinc, tin, aluminum and their alloys.

Hazardous Decomposition Products: Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Oxides of phosphorus and other phosphorus compounds.

Section 11: Toxicological Information

Likely Routes of Exposure (Inhalation, Ingestion, Skin and Eye Contact) and Delayed, Immediate, or Chronic Effects from Short- and Long-Term Exposure:

Inhalation

Short term exposure: Significant inhalation exposure is considered to be unlikely. Available data indicates that this product is not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

Long Term exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short term exposure: Available data indicates that this product is not harmful. However product is corrosive to the skin. Capable of causing moderate to severe burns with ulceration. Can penetrate to deeper layers of skin, resulting in third degree burns. Corrosion will continue until product is removed or neutralized. Severity depends on concentration and duration of exposure. Burns may not be immediately painful; the onset of pain may be minutes to hours.

Long Term exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short term exposure: Exposure via eyes is considered to be unlikely. This product is corrosive to eyes. It will cause severe pain, and corrosion of the eye and surrounding facial tissues. Unless exposure is quickly treated, permanent blindness and facial scarring is likely.

Long Term exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short term exposure: Significant oral exposure is considered to be unlikely. However, this product is corrosive to the gastrointestinal tract. Capable of causing moderate to severe burns with ulceration. Can penetrate to deeper layers of skin, resulting in third degree burns. Corrosion will continue until product is removed or neutralized. Severity depends on concentration and duration of exposure.

Long Term exposure: No data for health effects associated with long term ingestion.

Numerical Measures of Toxicity:

Oral LD₅₀: Not available.

Dermal LD₅₀: Not available.

Inhalation LC₅₀: Not available.

Description of the symptoms: No data available.

Carcinogenicity (NTP, IARC, or OSHA): This product is not known or reported to be carcinogenic by any reference source including NTP, IARC, or OSHA.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: This product does not degrade naturally. It will not cause ecological problems because it does not enter biological systems.

Persistence and Degradability: This product does not degrade naturally. It will not cause ecological problems because it does not enter biological systems.

Bioaccumulative Potential: Not available.

Mobility in Soil: Not available.

Other Adverse Effects: None known.

Section 13: Disposal Considerations (non-mandatory)

Appropriate Disposal Containers: Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company.

Recommended Appropriate Disposal Methods: Can be disposed of with household waste.

Physical and Chemical Properties That May Affect Disposal Activities: None.

Special Precautions for Landfills or Incineration Activities: None.

Do not dispose of into sewer.

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

To minimize exposure, refer to Section 8: Exposure Controls/Personal Protection

Section 14: Transport Information (non-mandatory)

UN Number: 1805

UN Proper Shipping Name: 1805, PHOSPHORIC ACID, SOLUTION

Transport Hazard Class(es): Class 8: Corrosive Substances

Packing Group Number, if Applicable: III

Environmental Hazards (e.g., Marine pollutant (Yes/No)): Unknown

Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Unknown

Special Precautions Which a User Needs to Be Aware of, or Needs to Comply With, in Connection With Transport or Conveyance Either Within or Outside Their Premises: Class 8 Corrosive Substances shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidizing Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances where the Toxic Substances are cyanides and the Corrosives are acids), 7 (Radioactive Substances), Foodstuffs and foodstuff empties. They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases), 2.2 (Non-Flammable, Non-Toxic Gases), 2.3 (Poisonous Gases), 3 (Flammable liquids), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 6 (Toxic Substances except where the Toxic Substances are cyanides and the Corrosives are acids) and 9 (Miscellaneous Dangerous Goods).

Section 15: Regulatory Information (non-mandatory)

National and/or Regional Regulatory Information of the Chemical or Mixtures (Including Any OSHA, Department of Transportation, Environmental Protection Agency, or Consumer Product Safety Commission Regulations):

TSCA: Listed on the TSCA inventory.

CERCLA Reportable Quantity (RQ): Unknown

OSHA: This product is regulated according to OSHA. This SDS contains all the information required by OSHA.

EPA: Unknown

SARA Section 302: Unknown

SARA Section 311/312: Unknown

SARA Section 313: Unknown

California Proposition 65: This product does not contain chemicals that are known to the State of California to cause cancer or other reproductive harm.

Section 16: Other Information

REVISION INFORMATION:

SDS sections(s) changed since last revision of document:

00 08/10/2015 Original SDS Document

DISCLAIMER:

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