SAFETY DATA SHEET
Kreem Tank Prep A - Phosphoric Acid

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: KR006

Product Name: Kreem Tank Prep A

Trade Name:

Company Name: Kreem Products
PO Box 399
Somis , CA 93066

Phone Number: (805) 386-4470

Emergency Contact: Chemtrec (800)424-9300

Intended Use: Intended for Industrial Use

Synonyms: Hexaphos; Phospholeum

2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 1B

GHS Signal Word: **Danger**

GHS Hazard Phrases: H314 - Causes severe skin burns and eye damage.

GHS Precaution Phrases: P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P321 - Specific treatment see Response/First aid section on this label.
P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases: P405 - Store locked up.
P501 - Dispose of contents/container in accordance with all federal, state and local regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic): Chronic: Prolonged inhalation may cause respiratory tract inflammation and lung damage. Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated eye contact may cause conjunctivitis.

Inhalation: Irritating to the nose, throat and respiratory tract. Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. Causes chemical burns to the respiratory tract.

Skin Contact: Contact with liquid is corrosive and causes severe burns and ulceration.

Eye Contact: May cause irreversible eye injury. Contact with liquid is corrosive to the eyes and causes severe burns.

Ingestion: Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea, and

shock. May cause hemorrhaging of the digestive tract. May cause corrosion and permanent tissue destruction of the esophagus and digestive tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
8017-16-1	Polyphosphoric acids	100 %	NA

Additional Chemical Information

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical aid immediately.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

In Case of Ingestion: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Keep victim warm and quiet. Get medical aid immediately. Call a poison control center.

Note to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flammability Classification: non-flammable

Flash Pt: NP Method Used: Not Applicable

Explosive Limits: LEL: N/A UEL: N/A

Autoignition Pt: NP

Suitable Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Container explosion may occur under fire conditions. Cool all affected containers with flooding quantities of water.

Unsuitable Extinguishing Media: No information available.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.

Flammable Properties and Hazards: Not flammable or combustible.

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6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Water Spill: Prevent additional discharge of material if possible to do so without hazard. Warn occupants and downstream/downwind areas of release of corrosive hazardous material and request all to stay clear. This material will sink and is soluble/dispersible in water, it is probably not recoverable. Notify Authorities.

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Provide ventilation. Do not let this chemical enter the environment.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood. Open closures with care. Keep container closed when not in use. Do NOT reuse empty containers without commercial cleaning or reconditioning. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Precautions To Be Taken in Storing: Store in a cool, dry place. Store in a tightly closed container. Corrosives area. Store away from incompatible substances. Store in 316 ELC Stainless Steel container. Avoid 304 Stainless Steel. Storage Temperature: Ambient. Storage Pressure: Atmospheric.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
8017-16-1	Polyphosphoric acids	No data.	No data.	No data.

Respiratory Equipment (Specify Type): A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Eye Protection: Face shield. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Hand: Compatible chemical-resistant gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure. Clothes to prevent skin contact. Chemical resistant boots.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood. Ventilation should be provided to control worker exposures and prevent health risks and as necessary to reduce, prevent and control dust, mist, vapor or aerosol generation.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[ ] Gas [X] Liquid [ ] Solid
Appearance and Odor:	White. Odorless. Odor threshold: Unavailable Flammability (solid, gas): NA- Not available
Melting Point:	NA
Boiling Point:	550.0 C (1022 F)
Decomposition Temperature:	NA
Autoignition Pt:	NP
Flash Pt:	NP Method Used: Not Applicable
Explosive Limits:	LEL: N/A UEL: N/A
Specific Gravity (Water = 1):	1.80 - 2.050 at 25.0 C (77.0 F)
Density:	15.0 - 17.09 LB/GA at 25.0 C (77.0 F)
Bulk density:	NP
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	3.4 (air=1)
Evaporation Rate:	NA
Solubility in Water:	May decompos
Saturated Vapor Concentration:	NA
Viscosity:	NA
Octanol/Water Partition Coefficient:	NA
pH:	NA
Percent Volatile:	No data.
Particle Size:	NP
Heat Value:	NA
Corrosion Rate:	NA
Molecular Formula & Weight:	Not applicable. 0.0
Additional Physical Information	

10. STABILITY AND REACTIVITY

Reactivity:	Bases.
Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	Moisture, Metals. Excess heat.
Incompatibility - Materials To Avoid:	Metals. Strong bases, Alcohols, Water, chlorates, nitrates, Oxidizing materials. Strong reducing agents.
Hazardous Decomposition or Byproducts:	Phosphines, Oxides of Phosphorus, hydrogen gas.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

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11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information found.
Teratogenicity: No information available. Reproductive Effects: Mutagenicity: Neurotoxicity:

Irritation or Corrosion: No data available.

Symptoms related to Toxicological Characteristics: No data available.

Chronic Toxicological Effects: No data available.

Carcinogenicity/Other Information: CAS# 8017-16-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
8017-16-1	Polyphosphoric acids	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: The acidity of phosphoric acid may be reduced readily by natural water hardness minerals, but the phosphate may persist indefinitely. During transport through the soil, phosphoric acid will dissolve some of the soil material, in particular, carbonate-based materials. The acid will be neutralized to some degree with adsorption of the proton and phosphate ions also possible. However, significant amounts of acid will remain for transport down toward the groundwater table.
Physical: No information available.

Results of PBT and vPvB assessment: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: 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. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. TRANSPORT INFORMATION

GHS Classification: Skin Corrosion/Irritation, Category 1B - Danger! Causes severe skin burns and eye damage

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (Polyphosphoric acid)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN3264 **Packing Group:** III

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LAND TRANSPORT (Canadian TDG):

TDG Shipping Name:
UN Number: 3264
Hazard Class: 8 - CORROSIVE
Packing Group: III
TDG Classification:

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name:
UN Number: 3264
Hazard Class: 8 - CORROSIVE
Packing Group: III

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name:
UN Number: |N|
Hazard Class: 8 - CORROSIVE
Packing Group: III
IMDG MFAG Number: |
IMDG EMS Page: |

Additional Transport Information

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
8017-16-1	Polyphosphoric acids	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[X] Yes [ ] No Acute (immediate) Health Hazard
[X] Yes [ ] No Chronic (delayed) Health Hazard
[ ] Yes [X] No Fire Hazard
[ ] Yes [X] No Sudden Release of Pressure Hazard
[ ] Yes [X] No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
8017-16-1	Polyphosphoric acids	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
8017-16-1	Polyphosphoric acids	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; China IECSC: Yes; Japan ENCS: Yes - (1)-244; Korea ECL: Yes - KE-29024; Philippines ICCS: Yes; Taiwan TCSCA: Yes; REACH: Yes - (R), (P)

Regulatory Information Statement:

Regulatory information provided in this SDS was prepared for this product and is to be used only for the product in its present form, If this material is used as a component in another material or altered in any way, the information in this SDS may no longer be applicable. This document was generated for the purpose of distributing health, safety and environmental data.

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16. OTHER INFORMATION

Revision Date: 08-15-2017

Preparer Name: Kreem Products (805) 386-4470

Hazard Rating System:

HMIS:

HEALTH	3
FLAMMABILITY	0
PHYSICAL	1
PPE	G

NFPA:

Additional Information About This Product:

SDS Data Field Acronym Legend:
NA- Not Available
NE- Not Established
NP- Not Applicable
NR- Not Required
PR- Proprietary
TS- Trade Secret.

Company Policy or Disclaimer:

MANUFACTURER DISCLAIMER: NOTICE: We believe that the information contained on this Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all- inclusive or fully adequate in every circumstance. Also, these suggestions should not be confused with or followed in violation of applicable laws, regulation, rules or insurance requirements. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.