"*CHEMICAL SPECIALTY PRODUCTS*" DER-KEL, LLC

SAFETY DATA SHEET

This SDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA form 174

SECTION 1: IDENTIFICATION

TRADE NAME: DK-2812

DATE ISSUED: 05-20-2015

Telephone Number: (423) 622-9808
**** FOR CHEMICAL EMERGENCY CALL CHEM-TEL: (800) 255-3924 ****

Manufacturer : Der-Kel, LLC
Address : 3012 Freeman Ave.
Chattanooga, TN 37406

SECTION 2: HAZARD IDENTIFICATION

Material *:	CAS	Percent	Exposure Limits (Units)
Phosphoric Acid	7664-38-2	< 20	1 (mg/m^3) TWA OSHA PEL 1 (mg/m^3) TWA ACGIH TLV
Sulfuric Acid	7664-93-9	<10	1(mg/mg3)TWA OSHA PEL 0.2(mg/mg3)TWA ACGIH TLV

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: N/A
PRODUCT CLASS: Acid Cleaner
FORMULA: N/A **CAS Number:** N/A
DOT Hazard Class: 8
DOT Proper Shipping Name: Corrosive Liquid, acidic, inorganic, n.o.s.
DOT Identification Number: UN3264
Packaging Group: II

HEALTH RATING (NFPA - Scale 0 thru 4)
Flammability - 0 Health - 3
Reactivity - 0 Personal Protection: B

SECTION 4: FIRST AID MEASURES

EFFECTS OF OVER EXPOSURE

Eyes: Contact with liquid may cause eye corrosion or ulceration. Repeated and/or prolonged exposure to mists may cause irritation with tearing, pain, or blurred vision.
Skin: contact with liquid may cause skin corrosion, burns or ulcers. Contact with a 1% solution may cause: Repeated and/or prolonged exposure in mists may cause – Irritation with itching, burning, redness, swelling or rash.
I**ngestion**: Immediate effects of overexposure may include: burns of the mouth, throat, esophagus and stomach, with severe pain, bleeding, vomiting, diarrhea and collapse of blood pressure—damage may appear days after exposure.
Inhalation: Exposure to mists may cause: Irritation of the nose and throat with sneezing, sore throat or funny nose. Non-specific effects such as headache, nausea, and weakness. Gross overexposure may cause: Irritation of nose, throat and lungs with cough, difficulty breathing or shortness of breath. Pulmonary edema (body fluid in the lungs) with cough, wheezing, abnormal lung sounds, possibly progressing to severe shortness of breath and bluish discoloration of the skin: symptoms may be delayed. Repeated and/or prolonged exposure to mists may cause corrosion of teeth.

EMERGENCY AND FIRST AID PROCEDURES

Eyes: If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms develop as a result of vapor pressure, immediately move individual away from exposure and into fresh air before flushing as recommended above. Seek immediate medical attention. Do not remove the victim from water access for transport to a medical facility unless instructed to do so by qualified medical personnel. If possible continue flushing eye gently with water while transporting the victim.

Skin: Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged and symptoms persist, seek medical attention. Launder clothing before reuse.
Ingestion: Seek immediate medical attention. Do Not induce vomiting. Vomiting will cause further damage to the mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. If possible, do not leave individual unattended.
I**nhalation**: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: Not applicable

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate personnel to safe area. Keep personnel removed and upwind of fire. Wear full protective clothing. Runoff from fire control may cause pollution. Neutralize runoff with lime, soda ash, etc. to prevent corrosion of metals. Wear self-contained breathing apparatus if fumes or mists are present.

EXTINGUISHING MEDIA: Use extinguishing media suitable for surrounding fire. Use water spray to cool containers exposed to fire: DO NOT get water inside containers.

UNUSUAL FIRE and EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small spills: Soak up with dry sand, clay, or diatomaceous earth.
Large Spills: Dike and cautiously dilute and neutralize with lime or soda ash, and transfer to waste treatment system. Prevent liquid from entering sewers, waterways or low areas.
Waste Disposal Method: Dispose of material in accordance with local, State and Federal regulations.

SECTION 7: HANDLING AND STORAGE

Handling and Storage:

Store in a cool, well ventilated area, above freezing.

Other Precautions:

Do not ingest. Always wear eye and skin protection.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Splash goggles, face shield

Skin Protection: Wear impervious gloves. To prevent skin contact, wear impervious clothing and boots.

Ventilation; Provide sufficient mechanical ventilation to maintain exposure below exposure levels.

Respiratory Protection: If workplace exposure limit of product is exceeded a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specific conditions. Engineering or administrative controls should be implemented to reduce exposure.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:
212° F

VAPOR PRESSURE (mmHg):
Unknown

% VOLATILE BY WEIGHT:
approx. 91

WEIGHT per GALLON:
8.6 lbs.

EVAPORATION RATE:
(Butyl Acetate = 1):
not determined

SOLUBILITY in WATER:
Soluble

VAPOR DENSITY(Air = 1):
Unknown

APPEARANCE & ODOR:
Clear liquid

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable, reacts with organic materials with evolution of heat.
HAZARDOUS DECOMPOSITION PRODUCTS: May form phosphorous compounds.
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY (MATERIALS TO AVOID): Alkali metals, strong alkalis, metals.

SECTION 11: TOXICOLOGICAL INFORMATION

TSCA: The intentional ingredients of this product are listed.
CERCLA: 40CFR 302.4 (a)

Component	RQ (lbs)
Phosphoric acid	5000
Sulfuric Acid	5000

SARA 302 Components: 40 CFR 355 Appendix A
Phosphoric Acid
Sulfuric Acid

Section 311/312 Hazard Class: 40 CFR 370.2
Immediate (x) Delayed (x) Fire ( ) Reactive (x)
Sudden release of pressure ( )

SARA 313 Components: 40 CFR 372.65
Phosphoric acid
Sulfuric Acid

SECTION 16: OTHER INFORMATION

This SDS was prepared May 20, 2015. Additional information will be provided in a medical emergency to qualified medical personnel.