Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910:1200. Standard must be consulted for specific requirements.	U.S Department of Labor Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072
Identity (as Used on Label and List) **PKA®**	The information contained herein is based on data considered accurate. However, no warranty of any nature is either expressed or implied with respect to the product or the data contained herein.

Section I

Manufacturer's Name Animal Science Products, Inc.	Emergency Telephone Number 1-800-424-9300 Chemtrec
Address PO Box 631408 Nacogdoches Texas 75963-1408	Telephone Number for Information 1-936-560-0003
	Date Prepared 07-29-2011
	Signature of Preparer (Optional)

Section II- Hazardous Ingredients / Identity Information

Sodium hydrogen sulfate, CAS# 7681-38-1 > 98%
The identity of other individual components of this mixture is proprietary information and is regarded to be a trade secret pursuant to Section 1910.1200 of Title 29 of the Code of Federal Regulations.

Section III– Physical/Chemical characteristics

Boiling Point:	NA	**Specific Gravity (H2O=1):**	2.4
Vapor Pressure (mm Hg.):	NA	**Melting Point**	157 C (315 F)
Vapor Density (AIR=1):	NA	**Evaporating Rate (Butyl Acetate=1)**	NA

Solubility in Water: Completely soluble.

Appearance and Odor: Light blue granules

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used): Not combustible.	**Flammable Limits:**	LEL: NA	UEL: NA

Extinguishing Media:
Dry chemical, carbon dioxide, foam. Do not use water as corrosive sulfuric acid will form.

Special Fire Fighting Procedures:
In the event of fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand mode or other positive pressure mode.

Unusual Fire and Explosion Hazard:
Product will not ignite. Caution: sufficient heat may produce toxic gasses (including sulfuric and sulfur oxides). Product will decompose at its melting point.

Section V – Reactivity Data

Stability: Stable under ordinary conditions of use and storage. Sulfuric acid is formed on contact with water.	**Conditions to Avoid:** Excessive heat, humidity and exposure to incompatibles.

Compatibility (Materials to Avoid): Avoid strong oxidizers, strong bases, sodium carbonate, calcium hypochlorite, moisture.

Hazardous Decomposition or Byproducts: Thermal decomposition may release sulfur dioxide and sulfur trioxide. In contact with water, sulfuric acid.

Hazardous Polymerization: Will not occur.

Section VI – Health Hazard Data

Route(s) of Entry:
Inhalation: Dusts can form sulfuric acid upon contact with moisture in lungs. Can irritate the upper respiratory tract. High airborne concentrations may cause airway constriction and potentially fatal pulmonary edema. Chronic low-level inhalation may cause permanent lung damage and reduction of lung function due to the formation of corrosive sulfuric acid.
Skin: Dusts can cause irritation, redness and pain. Concentrated solutions are corrosive and may cause burns and permanent scarring.
Eyes: Can cause severe eye irritation. Concentrated solutions may cause permanent damage or blindness.
Ingestion: May cause burns to the mouth, throat and stomach. Symptoms may include vomiting, nausea, bleeding stomach and abdominal pain.

First Aid Procedures:
IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
IN CASE OF SKIN CONTACT, Remove contaminated clothing. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse. If irritation should develop, get medical attention.
IN CASE OF EYE CONTACT, immediately get medical attention. Flush eyes immediately with copious amounts of water for at least 15 minutes with eyelids spread apart.
IF INGESTED, DO NOT INDUCE VOMITING, unless directed by medical personnel. Have victim rinse mouth thoroughly with water if conscious. Follow with several cupfuls of water or milk to dilute chemical. Never give anything by mouth to an unconscious person. Call a physician immediately.

Section VII – Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:
Contain the spilled material. Evacuate the area promptly. Ventilate area. Clean-up personnel require respiratory protection. Shovel material into waste container. If sweeping is necessary, use a dust suppressing agent which does not react with product. Solutions of the compound can be neutralized with citric acid or similar compound.

Waste Disposal Method: Dispose of spilled waste in accordance with applicable federal, state, and local environmental and regulatory requirements.

Safe Handling Procedures: Do not breathe dust. Avoid all contact with skin and eyes. Use only with adequate ventilation. Wash after handling.
Storage: Store in a cool, dry location away from sources of intense heat. Store away from incompatible chemicals.

Section VIII – Control Measures

Respiratory Protection: Use NIOSH approved particulate respirator if dust generation occurs or is anticipated. OSHA standard 1910.134 or ANZI Z88.2-1980 specifications are recommended.
Ventilation: A system of local or general exhaust is recommended to keep employee exposures below the airborne exposure limits. Local exhaust is generally preferred because it can control the emission of the contaminant at its source, preventing dispersion into the general work area.

Protective Gloves:	**Eye Protection:**
Yes, rubber or plastic impervious gloves are recommended.	Yes, splash goggles or face shield are recommended.

Other Clothing or Equipment:
Use other protective clothing or equipment to avoid prolonged direct exposure to skin.