



ACIDIFICATION AND ITS POTENTIAL IN ANIMAL HEALTH, NUTRITION AND WELFARE



Jones-Hamilton Co. knows pH matters. But what is pH and where can the power of pH manipulation be leveraged?

pH refers to the potential of hydrogen and is measured on a scale of 0 to 14 where < 7 is acidic, 7 is neutral and > 7 is basic. pH is important because it can control the environment, the behavior of chemicals and microbial activity.

Acidification, or the process of lowering pH, can be managed by adding an acid. Sodium bisulfate is a safe mineral acid that can effectively manipulate pH – a fact that has been proven over 30 years of research in more than 30 applications and counting.

SODIUM BISULFATE BASICS



Non-hazardous per U.S. DOT



Molecular formula: NaHSO_4



Dry, granular and safe to handle



SODIUM BISULFATE-BASED PRODUCTS

CONSISTENT PROCESS, CONSISTENT PRODUCT

In the simplest explanation, **Jones-Hamilton** produces sodium bisulfate by reacting sulfuric acid and sodium chloride (salt) at high temperatures in a continuous process. The quality of the raw materials and control of the manufacturing process results in high product integrity.



SUPPORT GUT INTEGRITY WITH SULFATE

With **AFG® – Animal Feed Grade**, we have learned how to leverage the sulfate component of the SBS molecule. AFG is a functional feed ingredient for all classes of poultry that provides improved bird performance by increasing gut integrity.



ELIMINATE AMMONIA, LOWER LITTER pH

PLT® litter amendment lowers litter pH and eliminates ammonia for improved air, litter and paw quality in poultry houses. It is the only litter amendment that can be safely applied with birds in the house.



pH CONTROL FOR CONFINED CATTLE

BeefUp® is used to control ammonia and reduce pH to biologically effective low levels in cattle bedding, manure and footbaths to support better respiratory health and hoof health, and improve performance.



Jones-Hamilton Co. began producing sodium bisulfate in 1955 and has since become the global leader in production and application development with unmatched expertise on all aspects of the product.

As a dry acid, sodium bisulfate is stable in a dry environment, but if added to water it will quickly dissolve. If exposed to a humid environment it will also absorb the moisture from the air (hygroscopic). When sodium bisulfate and a liquid are mixed, the pH of the liquid goes down.



Thirty years of research have shown us that the potential of sodium bisulfate is just being realized. Our team consists of the foremost experts on acidification and can help you understand its role in various commercial applications.

While our product portfolio continues to grow, it already has the power to deliver significant health, nutrition and welfare benefits for production and companion animals.



ENHANCED DAIRY HOOF CARE AND BEDDING MANAGEMENT

ParlorPal® provides a safe, effective and affordable solution to control ammonia and lower pH in livestock operations.



PROMOTE OPTIMUM WATER CONSUMPTION

PWT® delivers targeted pH levels without the bitter taste common to organic acids.



pH REDUCTION AND PRESERVATION

SBS Pet® is used in dry cat food for feline urine acidification and in soft treat and liquid digest for pH reduction and preservation.



MAXIMIZE PEST CONTROL IN ORGANIC OPERATIONS

Enhance the application of your **DiaFil610B®** in organic poultry and livestock.



**CONTACT US TO
EXPLORE THE POTENTIAL
OF ACIDIFICATION
FOR YOUR ANIMALS, FEED
OR ENVIRONMENT.**



Jones-Hamilton.com