

# 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)<br><b>SWINE SCIENCE PREMIX</b> | <b>The information contained herein is based on data Considered accurate: however, no warranty either expressed or implied of any nature with respect to the product or the data is made.</b> |
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| <b>Section I</b>  |   |
| Manufacturer's Name<br><b>ANIMAL SCIENCE PRODUCTS</b>   | Emergency Telephone Number<br><b>1-800-424-9300 CHEMTREC</b>                      |
| Address (Number, Street, City, and ZIP Code)<br><b>FM 1275 SOUTH, NACOGDOCHES, TX, 75963-1408</b> | Telephone Number for Information<br><b>1-800-657-2324 ANIMAL SCIENCE PRODUCTS</b> |
| <b>P.O. DRAWER 631408</b>   | Date Prepared<br><b>6/26/96</b>   |
|   | Signature of Preparer (optional)  |

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| <b>Section II-Hazardous Ingredients/Identity Information</b>   |
| INGREDIENTS:<br>Rice Hulls, Calcium carbonate, Ferrous Sulfate, Manganous Oxide, Choline Chloride, Vitamin E supplement, Zinc Oxide, Niacin, D-Calcium Pantothenate, Vitamin A supplement, D-Activated Animal Sterol(A source of Vitamin D), Thiamine Mononitrate, Riboflavin, Sodium Selenite,Pyridoxine Hydrochloride, Vitamin B-12 supplement, Folic Acid, Menadione, Ethoxyquin and BHA, Copper Sulfate, Biotin supplement, Pyrimidinol Bisulfite, and Calcium Iodate. |

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| WARNING:<br>Levels of selenium greater than .3PPM in finished feed are prohibited. Maximum use level of this product is 5 pounds per ton of finished feed. |
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| <b>Section III - Physical/Chemical Characteristics</b>                 |    |   |    |
| Boiling Point:   | NA | Specific Gravity (H <sup>2</sup> O = 1) | NA |
| Vapor Pressure (mm Hg.)  | NA | Melting Point                           | NA |
| Vapor Density (AIR = 1)  | NA | Evaporation Rate (Butyl Acetate = 1)    | NA |
| Solubility in water: Some components may be water soluble.             |    |   |    |
| Appearance and Odor: White, brown, red, and gray mixtures of minerals. |    |   |    |

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|--|-------------------|--------|--------|
| <b>Section IV - Fire and Explosion Hazard Data</b>   |                   |        |        |
| Flash Point (Method Used): Not combustible   | Flammable Limits: | LEL NA | UEL NA |
| Extinguishing Media:<br>Foam, co <sub>2</sub> , dry chemical or water.   |                   |        |        |
| Special Fire Fighting Procedures:<br>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 or other positive pressure mode. |                   |        |        |
| Unusual Fire Fighting and Explosion Hazards:<br>Not combustible  |                   |        |        |

| Section V - Reactivity Data   |                            |                                  |                                    |
|---|----------------------------|----------------------------------|------------------------------------|
| Stability   | Unstable                   |                                  | Conditions to Avoid: Extreme heat. |
|   | Stable                     | Stable under ordinary conditions |                                    |
| Compatibility (Materials to Avoid): NA  |                            |                                  |                                    |
| Hazardous Decomposition or Byproducts: May decompose if heated to produce irritating or toxic combustion products.  |                            |                                  |                                    |
| Hazardous Polymerization  | May Occur                  |                                  | Conditions to Avoid:               |
|   | Will Not Occur             | Will not occur                   |                                    |
| Section VI - Health Hazard Data   |                            |                                  |                                    |
| Route(s) of Entry:                      Inhalation? Yes          Skin? Yes          Ingestion? Yes          Eyes? Yes   |                            |                                  |                                    |
| Health Hazards (Acute and Chronic): Cobalt, Copper, Zinc, and Selenium salts may have oral human lethal doses in the range of 50 to 500 mg/kg.  |                            |                                  |                                    |
| Carcinogenicity:    No              NTP?    No                                  IARC Monographs?    No              OSHA Regulated?   |                            |                                  |                                    |
| Signs of Symptoms of Exposure:<br>Ingestion of large doses of mineral salts usually cause vomiting, but the acute effects are described as nausea, chills, and diarrhea. Eye or skin irritation may occur following ingredient contact.   |                            |                                  |                                    |
| Medical Conditions Generally Aggravated by Exposure:  |                            |                                  |                                    |
| <b>Emergency and First Aid Procedures:</b><br><b>Skin Contact:</b> Wash with soap and water. Seek medical attention if red and irritated.<br><b>Eye Contact:</b> Flush eyes immediately with water for 15 minutes. Seek medical attention if irritation persist.<br><b>Ingestion:</b> Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician immediately.<br><b>Inhalation:</b> Remove to fresh air and seek medical attention for any breathing difficulty. |                            |                                  |                                    |
| Section VII - Precautions for Safe Handling and Use   |                            |                                  |                                    |
| Steps to Be Taken in Case Material is Released or Spilled:<br>Ventilate area. Clean-up personnel require respiratory protection. Recover uncontaminated material for use.<br>Vacuum or sweep remaining material, keeping dust to a minimum.   |                            |                                  |                                    |
| Waste Disposal Method:<br>Dispose of unreclaimable material in a RCRA-approved waste facility.  |                            |                                  |                                    |
| Precautions to Be Taken in Handling and Storing:<br>Protect containers from damage and keep closed when not in use.   |                            |                                  |                                    |
| Other Precautions:<br>Observe good personal hygiene. Wash after handling.   |                            |                                  |                                    |
| Section VIII - Control Measures   |                            |                                  |                                    |
| Respiratory Protection (Specify Type):  |                            |                                  |                                    |
| Ventilation   | Local Exhaust: Recommended |                                  | Special:                           |
|   | Mechanical (General):      |                                  | Other:                             |
| Protective Gloves:    Yes    Eye Protection: Yes  |                            |                                  |                                    |
| Other Clothing or Equipment:<br>Use other protective equipment when necessary in order to avoid prolonged exposure to skin.   |                            |                                  |                                    |
| Work/Hygienic Practices:<br>Observe good personal hygiene. Wash after handling.   |                            |                                  |                                    |