

**Nutra-Flo Company**  
**1919 Grand Avenue**  
**Sioux City, Iowa 51106**

**MSDS Number: 4000**  
**Date: June 16, 2006**  
**Revision: 1**  
**Replaces: February, 2001**

**SECTION I CHEMICAL PRODUCT AND COMPANY INFORMATION**

Product Name/Trade Name: **DPS 50 RD**  
Synonyms: Dried Porcine Solubles  
DPS  
DPS 50

Material Uses: Animal Feed Ingredient

Supplier/Manufacturer: Nutra-Flo Company **Emergency Telephone Number: 1-800-424-9300**  
Address: 1919 Grand Avenue **General Telephone Number: 1-712-277-2011**  
City, State, and Zip Code: Sioux City, IA 51106

**SECTION II COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Component Name</b>	<b>Percentage by Weight</b>	<b>CAS Number</b>
Hydrolyzed Porcine Small Intestines (Dried)	70 - 84	None
Sodium Sulfite	15 - 25	7757-83-7
Water	1 - 5	7732-18-5

**SECTION III HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

Material is an eye and skin irritant. Large amounts of dust inhalation may cause breathing difficulty. Individuals allergic to sulfides may have an allergic reaction.

**Health Hazards:**

**Health (Blue) 1**                      **Reactivity (Yellow) 0**  
**Flammability (Red) 0**                **Other (White) 0**

**Routes of Exposure:**

Swallowing                       Skin Contact  
 Eye Contact                       Inhalation

**Effects of Single (Acute) Overexposure:**

**Ingestion:** Gastric upset and diarrhea may occur. Systemic poisoning is possible due to sodium sulfite.  
**Skin Absorption:** No evidence of adverse effects from available information.  
**Inhalation:** May cause respiratory tract irritation and coughing. Avoid breathing dust.  
**Skin Contact:** May cause moderate skin irritation. Avoid contact with open wounds.  
**Eye Contact:** May cause moderate eye irritation.

**Effects of Repeated (Chronic) Overexposure:** No evidence of long term chronic effects found.

**Aggravation of Preexisting Medical Conditions:** Some individuals may be dangerously sensitive to minute amounts of sulfites in foods and some bronchodilator medicines preserved with sulfites. Symptoms may include bronchial constriction, shock, gastrointestinal disturbances, angio edema, flushing, and tingling sensations.

#### **SECTION IV: FIRST AID MEASURES**

- Inhalation:** Move to fresh air immediately. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration or pulse has stopped, have a trained person administer Basic Life Support and CALL FOR EMERGENCY SERVICES IMMEDIATELY.
- Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously, keep airway clear. SEEK MEDICAL ATTENTION IMMEDIATELY.
- Eye Contact:** Flush with water for a minimum of 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. SEEK MEDICAL ATTENTION IMMEDIATELY.
- Skin:** Remove clothing and immediately wash affected area with soap and water. If redness occurs, seek medical attention.

#### **SECTION V: FIRE AND EXPLOSION HAZARDS**

- Flammability:** Not considered a fire hazard.
- Flash Point:** Not applicable.
- Auto ignition Temperature:** Not applicable.
- Flammable Limits in Air % by Volume:** Not applicable.
- Extinguishing Means:** Use media appropriate for surrounding materials.
- Hazardous Combustion Products:** When heated to decomposition, this material will produce oxides of sulfur.

#### **SECTION VI: ACCIDENTAL RELEASE MEASURES**

For small or incidental releases, the minimum personal protective equipment should be chemical resistant gloves and safety glasses. Shovel or sweep material into a pile. Recover and contain as much material as possible.

In the event of a significant spill, uncontrolled releases should be responded to by trained personnel using preplanned procedures. Keep material out of surface waters, storm drains, and sewers. Releases should be reported, if required, to appropriate agencies.

#### **SECTION VII: HANDLING AND STORAGE**

- Handling Practices:** Wear gloves and goggles when handling this material. Avoid breathing dust. Avoid eye and skin contact. Wash thoroughly after handling. When using, do not eat, drink or smoke.
- Storage Practices:** Store and handle in accordance with all current regulations and standards. Store in a cool, dry, well-ventilated area, separated from incompatible substances. DO NOT DILUTE WITH WATER as this may promote bacterial growth. Avoid leaving bags open. Product will absorb moisture from the air and cake.

#### **SECTION VIII: EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT**

- Exposure Limits (Sodium Sulfite):** None established
- Ventilation:** Provide local exhaust ventilation where dust may be generated.
- Respiratory Protection:** If dust is generated during use, wear a NIOSH approved dust mask.
- Protective Gloves:** Wear chemical resistant gloves compatible with the material
- Eye Protection:** Wear safety glasses with side shields or chemical goggles.

**Skin Protection:** Individuals sensitive to sulfites should wear long sleeves.

#### SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid	<b>Bulk Density:</b>	35 – 45 lbs/ft <sup>3</sup>
<b>Molecular Formula:</b>	NA	<b>Evaporation Rate:</b>	Not applicable
<b>Odor:</b>	Slight meat odor	<b>pH:</b>	7.0 – 8.5
<b>Odor Threshold:</b>	Not applicable	<b>Appearance:</b>	Light tan powder
<b>Boiling Point:</b>	Not applicable	<b>Specific Gravity:</b>	Not applicable
<b>Freezing Point:</b>	Not applicable	<b>Solubility (Water):</b>	Unknown
<b>Vapor Pressure:</b>	Not applicable		

#### SECTION X: REACTIVITY DATA

**Chemical Stability:** Stable at normal temperature and pressure

**Conditions to Avoid:** Avoid contact with acids.

**Incompatibility with Other Substances:** Mixing with acids may cause the release of oxides of sulfur or hydrogen sulfide.

**Hazardous Decomposition Products:** Thermal decomposition products include oxides of sulfur.

**Hazardous Polymerization:** Will not occur.

#### SECTION XI: TOXICOLOGICAL DATA

**LD<sub>50</sub>:** 820 mg/kg (orl-mouse)

**LD<sub>50</sub>:** 3560 mg/kg (orl-rat)

**Suspected Carcinogen:** No

#### SECTION XII: ECOLOGICAL INFORMATION

**Biodegradation:** No information found.

**Bioconcentration:** No information found.

**Ecotoxicity Data:** No information found

**Other Ecological Information:** No information found.

#### SECTION XIII: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste disposal must be in accordance with local, State, and Federal regulations. Reuse or reprocess if possible. Recover and place material in a suitable container for reuse or disposal.

**EPA Waste Number:** Material is not defined as a hazardous waste as defined by 40 CFR Part 261, Subpart C or D.

#### SECTION XIV: TRANSPORT INFORMATION

**Proper Shipping Name:** This material is not regulated under 49 CFR Part 172.

**Hazardous Class Number & Description:** None

**UN Identification Number:** None

**Packing Group:** None

**RQ:** None

#### SECTION XV: REGULATORY INFORMATION

**SARA Reporting Requirements:** Not applicable

**TSCA Inventory Status:** Sodium sulfite is listed on the TSCA Inventory.

**Marine Pollutant:** Does not contain any material listed as a Marine Pollutant under 49 CFR 172.101

**California Proposition 65:** Not applicable

**CERCLA Reportable Quantities:** Not applicable

**State Regulatory Information:** Not applicable

**Labeling (Precautionary Statements):** **WARNING!** MAY CAUSE ALLERGIC REACTION TO INDIVIDUALS WITH SULFITE ALLERGIES. Do not get material in eyes or allow to remain on skin. Avoid breathing dusts. Wear gloves and safety glasses. Work in a well-ventilated area. Wash thoroughly after handling.

#### **SECTION XVI: OTHER INFORMATION**

The information and recommendations herein are taken from data contained in independent, industry recognized references. This information is furnished free of charge and is based on data believed to be reliable. It is intended for use by persons possessing technical knowledge and should be used at their own discretion and risk. Since actual use is beyond our control, no guarantee, express or implied, and no liability is assumed by Nutra-Flo Company in conjunction with the use of this information. Nothing herein is to be construed as a recommendation to infringe on any patents.