

SAFETY DATA SHEET

1. Identification

Material Name:	Nature Safe 15-1-1 Soluble Fertilizer
Recommended Use:	Fertilizer
Restrictions:	None
Version #:	2000-2
Revision Date:	7/10/2017
CAS #	
Manufacturer:	Sonac USA, LLC 1299 East Maple Street Maquoketa, IA 52060 United States
Telephone number – General Assistance:	1-800-800-4841
Telephone number – Emergency Assistance:	1-800-800-4841
Email Assistance:	info@darlingii.com



Warning Irritant
(skin and eyes)

2. Hazards Identification

Emergency Overview:

HEALTH HAZARDS
FLAMMABILITY HAZARDS

REACTIVITY HAZARDS

Potential Health Effects:

Routes of exposure
Eyes

Skin

Inhalation

Ingestion

Practically Non-Toxic Nuisance Dust.
Dust accumulation in an enclosed space may present an explosion hazard.
Stable

Inhalation, ingestion, skin and eye contact
Under normal condition, eye irritation is not expected to be a problem. However, eye irritation may occur if exposed to dust. If exposure causes irritation, flush eye with water.

Prolonged or excessive skin contact with this product may cause mild skin irritation. May cause an allergic reaction in some individuals.

Under normal condition, inhalation is not expected to be a problem. However, respiratory tract irritation may occur if exposed to dust. If exposure causes irritation, remove to fresh air.

Ingestion of large amounts may cause

gastrointestinal disturbances. May cause allergic reactions in some individuals.

Recommendations to Physicians:

Treat symptoms and eliminate overexposure.

3. Composition/Information on Ingredients

Components:	CAS#	Percent
Cooked and dehydrated porcine tissue and by-products	N/A	100%

Chemical Family:		
Protein, Mineral, and Lipid	N/A	100%

Formula:
Not Specified

Synonyms:

Spray Dried Pork, Porcine Protein Soluble

Composition Comments:

Values do not reflect absolute minimums and maximums: these values are typical which may vary from time to time.

This Safety Data Sheet is intended to communicate potential health hazards and potential physical hazards associated with the product covered by this sheet, and is not intended to communicate product specification information. For product specification information, contact your Sonac USA representative.

Additives:

None

Hazardous Concentration Range:

N/A

4. First Aid Measures

First Aid Procedures:

Eye Contact

Flush eyes immediately with large amounts of water. Get medical attention if irritation persists.

Skin Contact

Wash area thoroughly with soap and water. Get medical attention if irritation develops or persists.

Inhalation

Remove victim to fresh air. If breathing difficulty occurs, get medical attention.

Ingestion

Routine use of this product is not expected to cause any situation which could lead to ingestion. If this product is swallowed call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water), to someone who is unconscious, having convulsions or unable to swallow.

Notes to Physician:

Treat symptomatically.

5. Fire Fighting Measures

Flammable Properties:

Material may burn in a fire.

Concentrated dust in an enclosed space can pose an explosive threat.

Suitable Extinguishing Media:

Use water, dry chemical, or fire-fighting foam for Class A or B fires to extinguish fire.

Protection of Firefighters: Specific Hazards Arising from the Chemical

Combustion may produce CO₂ and other decomposition products in the case of incomplete combustion.

Fire Fighting Equipment/Instructions:

Evacuate area and fight fire from a safe distance.

Use water spray to cool adjacent structures and to protect personnel. Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety device or any discoloration of storage tank due to fire.

Firefighters must wear NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

6. Accidental Release Measures

Environmental Precautions:

Dry clean-up by sweeping and/or scooping. Totally biodegradable. Dispose of recovered materials per local state and federal requirements.

Waste Disposal Method:

Keep dry to avoid biological decomposition.

7. Handling and Storage

Handling:

Good personal hygiene practices such as properly handling contaminated clothing, using wash facilities before entering public areas and restricting eating, drinking and smoking to designated areas are essential for preventing personal chemical contamination. Do not breath dust. Avoid contact with skin or eyes.

Precautions to be taken in Handling and Storing:

Store in tightly closed containers in a cool, dry, isolated, well-ventilated area away from heat, sources of ignition and incompatibles.

Empty container that may contain material residue. Do not reuse without adequate precautions.

Do not eat, drink or smoke in areas of use or storage.

8. Exposure Controls/Personal Protection

Exposure Limits:	Not available
Engineering Controls:	Ventilation and other forms of engineering controls are the preferred means for controlling exposures.
Personal Protective Equipment:	
Eye/Face Protection	Keep away from eyes. Eye contact can be avoided by using chemical safety glasses, goggles and/or face shield. Have eye washing facilities readily available where eye contact can occur.
Skin Protection	Wash hands with soap and water. Protective gloves recommended.
Respiratory Protection	Use dust mask in enclosed spaces.

9. Physical and Chemical Properties

Physical State Form:	Powder
Color:	Light beige to brown
Odor:	Cooked pork odor
Odor Threshold:	Characteristic
Vapor Pressure:	Not available
Vapor Density:	Not available
Boiling Point:	N/A
Melting Point:	Decomposes
Solubility (water):	Highly soluble
Specific Gravity:	Not available
Relative Density:	Not available
Flash Point:	Not available
Flammability limits in air, upper, by volume:	Not available
Flammability limits in air, lower, by volume:	60 g/m ³
Auto-ignition Temperature:	480°C
VOC:	Not available
Evaporation Rate:	Not available
Viscosity:	Not available
Percent Volatile:	Not available
Partition Coefficient (n-octanol/water):	Not available
Molecular Weight:	Not available
Molecular Formula:	Not available
Other Data:	
Chemical Family	Protein, Mineral, and Lipid
Density	Not available
Electrostatic Properties	Not available
Cloud Point:	Not available

10. Stability and Reactivity

Chemical Stability:

Conditions to Avoid:

Material is stable under normal conditions. Avoid unventilated areas, heat, open flames, sparks and ungrounded electrical equipment where dust may be present.

None

Incompatible Materials: Hazardous Decomposition products:

Decomposition may cause biological hazard due to bacterial or mold growth.

Possibility of Hazardous reactions:

Not anticipated under normal conditions.

11. Toxicological Information

Routes of Exposure:

Numerical Measures of Toxicity:

Eye Contact:

Skin Contact:

Inhalation, ingestion, skin and eye contact

N/A

Get medical attention if eye irritation persists.

Get medical attention if skin irritation develops or persists.

Inhalation:

If breathing difficulty occurs, get medical attention.

Ingestion:

Routine use of this product is not expected to cause any situation which could lead to ingestion.

12. Ecological Information

Eco Toxicity:

Material not classified as toxic or harmful to aquatic organisms. However, secondary effects such as lowered dissolved oxygen when introduced to surface water can be toxic to aquatic life.

Persistence and Degradability: Bioaccumulation/ Accumulation:

Readily biodegradable in the environment.

Mobility in environmental Media:

This material is not expected to bio accumulate in aquatic animals.

Not classified in terms of mobility in air, soil and water.

13. Disposal Considerations

Disposal Instruction:

This material, as supplied, when discarded or disposed of, is not a hazardous waste according to Federal Regulations (40 CFR 261). Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the material to characterize and determine at the time of disposal, whether the material is a hazardous waste subject to RCRA.

For additional handling information and

protection of employees, see Section 7 (Handling and Storage) and section 8 (Exposure Controls/Personal Protection).

14. Transport Information

General:

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101. NON-REGULATED.

Canada

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This product is not classified as Dangerous Goods, per regulations of Transport Canada.

Air

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): This product is not classified as Dangerous Goods, by rules of IATA.

Maritime

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION: This product is not classified as Dangerous Goods by the International Maritime Organization.

European

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

UN Number (United Nations Hazardous Material #):

Not a hazardous material.

15. Regulatory Information

State Regulations:

Based on available information this product does not contain any components or chemicals currently known to cause cancer, birth defects or reproductive harm. Reformulation, use or processing of this material may affect its composition and require re-evaluation.

U.S. Regulations:

Regulated under U.S FDA Feed Rule 21 CFR 589.2000/2001.

16. Other Information

NFPA Ratings:

Health: 1
Flammability: 1
Instability: 0

Disclaimer:

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of the Safety Data Sheet. Adequate training and instruction should be given by you or your employees and affected personnel. Appropriate warnings and usage

handling procedures should be provided by you to handlers and users. Additionally, the user should review this information, satisfy itself as to its suitability and completeness, and pass on the information to its employees or customers in accordance with the applicable federal, state, provincial or local hazard communication requirements. This SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warrant of representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, vendor neither assumes nor retains any responsibility for any damage or injury resulting from abnormal use, from any failure to adhere to appropriate practices, or from any hazards inherent in the nature of the material. Moreover, unless an employee or a customer accesses or receives a SDS directly from the company, there is no assurance that a document obtained from alternate sources is the most currently available SDS.

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