

# MATERIAL SAFETY DATA SHEET

BRANDT® STERIC S®

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Issue Date: 4/14

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

BRANDT STERIC S

Common Name: Liquid nutrient.

Chemical Description: Liquid fertilizer mixture.

TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

### Manufactured For

Brandt Consolidated, Inc.  
2935 South Koke Mill Road  
Springfield, IL 62711

### Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES: (559) 994-9144

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

## SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
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None

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Odorless, clear liquid. Avoid contact with oxidizers. Exposure to high temperatures may result in oxides of ammonia and sulfur. Not D.O.T. regulated.

HEALTH: 0 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 1  
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

## SECTION 4. FIRST AID

Eyes: Immediately flush with water for at least 15 minutes. Do not rub eyes. Seek medical attention if irritation persists.

Skin: Wash thoroughly with water. Seek medical attention if irritation persists.

Ingestion: If conscious and alert, drink 2 glasses of water or milk to dilute. Follow with milk of magnesia or vegetable oil. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention.

Inhalation: Move to fresh air. If breathing becomes difficult, call a physician.

**SECTION 5. FIRE AND EXPLOSION HAZARDS**

Flash Point:	Not pertinent.
Test Method:	Not pertinent.
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	None.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	May decompose at elevated temperatures to produce toxic fumes of ammonia and sulfur oxides.
Extinguishing Media:	As appropriate for surrounding fire.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

**SECTION 6. SPILLS AND LEAKS**

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal. Alternatively, neutralize with dilute alkaline solution (baking soda, soda ash, or lime) and wash down sewer if Federal, State and local regulations permit.
Evacuation:	Not necessary.

**SECTION 7. STORAGE AND HANDLING**

Storage:	Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40 and below 105°F. Do not store near food or feeds or strong alkalies. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Harmful if swallowed. Causes eye and skin irritation. In case of contact, immediately flush eyes or skin with plenty of water.

**SECTION 8. PERSONAL PROTECTIVE EQUIPMENT**

Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Impervious clothes and acid-resistant gloves (such as rubber or neoprene).
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8210 Plus).
Ventilation:	Recommended but no TLV established.

**SECTION 9. PHYSICAL AND CHEMICAL DATA**

Appearance:	Clear liquid.
Odor:	None.
pH:	Not known.
Vapor Pressure:	Not known.
Vapor Density (Air= 1):	Not known.
Boiling Point:	100°C (212°F).
Freezing Point:	Not known.
Water Solubility:	Miscible.
Density:	~10.3 lbs./gal.
Evaporation Rate:	Not known.
Viscosity:	Not known.
% Volatile:	Not known.
Octanol/Water Partition Coefficient:	Not known.
Saturated Vapor Concentration:	Not known.

**SECTION 10. STABILITY AND REACTIVITY**

Stability:	Stable.
Conditions To Avoid / Incompatibility:	Oxidizers.
Hazardous Decomposition Products:	Ammonia and sulfur trioxide and sulfur dioxide gases.
Hazardous Polymerization:	Will not occur.

**SECTION 11. POTENTIAL HEALTH EFFECTS**

<u>Acute Effects:</u>	
Eyes:	May cause eye irritation.
Skin:	May cause skin irritation.
Ingestion:	Not generally considered toxic. If swallowed, irritation may develop in the mouth, oesophagus, stomach, etc. The sulfate ion may cause purging.
Inhalation:	May cause respiratory tract irritation.
<u>Medical Conditions</u>	
<u>Aggravated by Exposure:</u>	None known.
<u>Subchronic Effects:</u>	None known.
<u>Chronic Effects:</u>	None known.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition: Not known.  
Toxicity to Fish and Invertebrates: Not known.  
Toxicity to Plants: Not known.  
Toxicity in Birds: Not known.

**SECTION 13. DISPOSAL**

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

**SECTION 14. TRANSPORTATION**

D.O.T.: Not D.O.T. Regulated.  
Other Shipping Description: Fertilizing Compounds (Manufactured), Liquid.  
NMFC Item 68140 Sub 6, LTL Class 70)

**SECTION 15. REGULATORY INFORMATION**

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

PROPOSITION 65 (CA): WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**SECTION 16. OTHER**

While the information contained herein is based on data considered accurate and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act, it is provided for guidance only. Brandt Consolidated, Inc. does not guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations; in so doing, user assumes all risk in use of the material. The information contained herein is not to be taken as a warranty or representation for which Brandt Consolidated, Inc. assumes legal responsibility.