

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078043727

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078043420 078043438 078043446 078043453 078043461 078043479 078043537 078043545 078043677 078043685

078043693 078043701 078043719 078043735 078043743 078543708 078543716



**MATERIAL SAFETY DATA SHEET**  
**SOLOXINE® (Levothyroxine Sodium) Tablets**  
Product Codes: 830100, 830250, 831100, 831250, 832100, 832250,  
833100, 833250, 834100, 834250, 835100, 835250, 836100,  
836250, 837100, 837250, 838100, and 838250

---

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING**

---

<b>Product Name</b>	SOLOXINE® (Levothyroxine Sodium) Tablets
<b>Product Description</b>	Thyroid replacement for dogs
<b>Manufacturer/Supplier</b>	Virbac AH, Inc.
<b>Address</b>	P.O. Box 162059 Fort Worth, Texas 76161
<b>Phone Number</b>	(800) 338-3659
<b>Chemtrec Number (24 hour)</b>	(800) 424-9300
<b>Other Emergency Numbers:</b>	Poison Control Center: 1-800-222-1222
<b>MSDS Revision Date:</b>	October 17, 2011
<b>Supersedes MSDS Dated:</b>	March 19, 2009

*Material Safety Data Sheet in compliance with OSHA's Hazcom Standard (29 CFR 1910.1200)*

---

**2. HAZARDS IDENTIFICATION**

---

**Emergency Overview**

**CAUTION!**

May cause adverse heart and central nervous system effects.  
Keep out of reach of children.

**Routes of Entry**

Ingestion

**Carcinogenic Status**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs**

Heart - Central Nervous System

**Health Effects - Eyes**

Not an expected route of entry during normal handling and use.

**Health Effects - Skin**

Contact with skin is not expected to cause adverse effects.

**Health Effects - Ingestion**

Ingestion of this material may cause gastrointestinal effects such as nausea and vomiting, and adverse heart and central nervous system effects.

**Health Effects – Inhalation**

Not an expected route of entry during normal handling and use.

---

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

---

<b>Component Name</b>	<b>CAS Number</b>	<b>Concentration</b>
Levothyroxine Sodium	25416-65-3	See below
Available in 0.1mg, 0.2mg, 0.3mg, 0.4mg, 0.5mg, 0.6mg, 0.7mg, 0.8mg and 1.0mg of levothyroxine sodium per tablet		



---

#### 4. FIRST AID MEASURES

---

**Eyes**

Not an expected route of entry. If tablet contacts eye, flush thoroughly with water. If pain or irritation persists contact a physician.

**Skin**

Wash skin thoroughly with soap and water. Obtain medical attention if redness or soreness persists.

**Ingestion**

Contact a physician immediately if ingested. Physician may call a poison control center for advice concerning human ingestion.

**Inhalation**

Not applicable

**Advice to Physicians**

Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

---

#### 5. FIRE - FIGHTING MEASURES

---

**Extinguishing Media**

Use extinguishing media appropriate for surrounding materials.

**Unusual Fire and Explosion Hazards**

Can release hazardous vapors during a fire.

**Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus.

---

#### 6. ACCIDENTAL RELEASE MEASURES

---

Sweep and dispose of small amounts in trash. Large amounts should be disposed of in a sanitary landfill.

---

#### 7. HANDLING AND STORAGE

---

Store in original container at temperatures between 59°F and 86°F (15°C - 30°C). Keep out of sunlight. Keep away from children. Wash hands after dispensing to dog before eating, drinking or smoking.

---

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**Occupational Exposure Standards**

Exposure limits are listed below, if they exist.

**Levothyroxine Sodium**

None established

**Engineering Control Measures**

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

**Respiratory Protection**

Not required under normal conditions of use.

**Hand Protection**

Not required under normal conditions of use. Workers should wash hands before eating, drinking or smoking.

**Eye Protection**

Not required under normal conditions of use.



---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**Body Protection**

Normal work wear.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

---

<b>Physical State</b>	Solid (tablet)
<b>Color</b>	Color varies depending on strength
<b>Odor</b>	None
<b>pH</b>	Not applicable
<b>Specific Gravity</b>	No data available
<b>Boiling Range/Point (°C/F)</b>	Not applicable
<b>Melting Point (°C/F)</b>	Not applicable
<b>Flash Point (PMCC) (°C/F)</b>	Not flammable
<b>Explosion Limits (%)</b>	No data available
<b>Vapor Pressure</b>	Not applicable
<b>Density</b>	No data available
<b>Solubility in Water</b>	No data available
<b>Vapor Density (Air = 1)</b>	Not applicable

---

**10. STABILITY AND REACTIVITY**

---

**Stability**

Stable under normal conditions.

**Conditions to Avoid**

Heat - high temperatures

**Materials to Avoid**

Strong oxidizers

**Hazardous Polymerization**

Will not occur.

**Hazardous Decomposition Products**

Oxides of carbon

---

**11. TOXICOLOGICAL INFORMATION**

---

See product insert and/or packaging for additional information.

**Acute Toxicity**

No relevant studies identified.

**Specific Target Organ Systemic Toxicity (single and repeat)**

Levothyroxine Sodium: Can cause adverse heart and central nervous system effects.

**Serious Eye damage/Eye Irritation**

No relevant studies identified.

**Skin Corrosion/Irritation**

No relevant studies identified.

**Respiratory or Skin Sensitization**

No relevant studies identified.

**Carcinogenicity**

Not considered carcinogenic by NTP, IARC, and OSHA.



---

**11. TOXICOLOGICAL INFORMATION**

---

**Germ Cell Mutagenicity**

No relevant studies identified.

**Toxicity to Reproduction**

No relevant studies identified.

---

**12. ECOLOGICAL INFORMATION**

---

**Mobility**

No relevant studies identified.

**Persistence/Degradability**

No relevant studies identified.

**Bio-accumulation**

No relevant studies identified.

**Ecotoxicity**

No relevant studies identified.

---

**13. DISPOSAL CONSIDERATIONS**

---

Dispose of in accordance with all applicable local and national regulations.

---

**14. TRANSPORT INFORMATION**

---

Contact supplier for transport information.

---

**15. REGULATORY INFORMATION**

---

<b>US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS</b>
---

**TSCA Listing**

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

**DSL (Canadian) Listing**

This product contains ingredients that are listed on the Domestic Substance List (DSL) or Non-Domestic Substance List (NDSL).

**WHMIS Classification**

This product is not a controlled substance under WHMIS.

This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

**MA Right To Know Law**

This product contains the following chemicals on the Massachusetts Right to Know Law: Cellulose (9004-34-6)

**PA Right To Know Law**

This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Cellulose (9004-34-6) - Corn Starch (9005-25-8)

**NJ Right To Know Law**

This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: Cellulose (9004-34-6)

**California Proposition 65**

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: None



---

**15. REGULATORY INFORMATION**

---

**SARA Title III Sect. 311/312 Categorization**

None

**SARA Title III Sect. 313**

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

---

**16. OTHER INFORMATION**

---

**NFPA Ratings**

NFPA Code for Flammability - 0

NFPA Code for Health - 0

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - 0

**HMIS Ratings**

HMIS Code for Flammability - 0

HMIS Code for Health - 0

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

**Abbreviations**

ACGIH: American Conference of Governmental Industrial Hygienists

BOD: Biological Oxygen Demand

CAS#: Chemical Abstracts Service Number

FIFRA: Federal Insecticide, Fungicide and Rodenticide Act

IARC: International Agency for Research on Cancer

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

N/A: Denotes no applicable information found or available

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

**For further information call:** (800) 338-3659

**Prepared By:** EnviroNet LLC

SOLOXINE is a registered trademark of Virbac AH, Inc.

The information and recommendations presented in this MSDS are based on sources believed to be accurate. Virbac AH, Inc. assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the **material** for their particular purposes. In particular, we make NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, with respect to such information, and we assume no liability resulting from its use. Users should ensure that any use **or disposal** of the material is in accordance with applicable Federal, State, and local laws and regulations.