SAFETY DATA SHEETS

This SDS packet was issued with item:

078543716

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 078043727 078043735 078043743 078543708

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

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

Component Name	CAS Number	Concentration
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

Obtained by Global Safety Management www.globalsafetynet.com (877) 683-7460

4. FIRST AID MEASURES

Eyes
Not an expected route of entry. If tablet contacts eye, flush thoroughly with water. If pain or irritation persist 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^{o}F and 86^{o}F (15^{o}C - 30^{o} 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.

Obtained by Global Safety Management www.globalsafetynet.com (877) 683-7460

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Body Protection
Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Obtained by Global Safety Management www.globalsafetynet.com (877) 683-7460

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

US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

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

Obtained by Global Safety Management www.globalsafetynet.com (877) 683-7460

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.

Obtained by Global Safety Management www.globalsafetynet.com (877) 683-7460