



MATERIAL SAFETY DATA SHEET

THYROSYN (levothyroxine sodium) Tablets

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

Product Name THYROSYN (levothyroxine sodium) Tablets
Product Description Thyroid replacement for dogs
Manufacturer/Supplier VEDCO, Inc.
Address 5503 Corporate Drive
St. Joseph, MO 64507
Phone Number (816) 238-8840
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 heat 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 effect.

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 0.1 mg, 0.2 mg, 0.3 mg, 0.4 mg, 0.5 mg, 0.6 mg, 0.7 mg, 0.8 mg, and 1.0 mg 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.



4. FIRST AID MEASURES

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 room temperature 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.

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 effect.

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

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

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
DOT: Department of Transportation
FIFRA: Federal Insecticide, Fungicide and Rodenticide Act
HMIS: Hazardous Materials Identification System
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
N/A: Denotes no applicable information found or available
NFPA: National Fire Protection Association
NOAEL: No Observed Adverse Effect Level
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
RCRA: Resource Conservation and Recovery Act
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average

For further information call: (816) 238-8840

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