SAFETY DATA SHEETS

This SDS packet was issued with item:

078705162

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

078799239

COMPONENT ®



E-H_{with}Tylan_®

HEIFER IMPLANTS

testosterone propionate USP 200 mg and estradiol benzoate 20 mg with 29 mg tylosin tartrate as a local antibacterial

20 dose CARTRIDGE BELT*

For use with the COMPONENT One Gun®**
For Use in Animals Only

Each CARTRIDGE BELT holds 20 doses of COMPONENT® E-H Implants. Each dose of 9 pellets consists of 8 pellets containing a total of 200 mg testosterone propionate USP and 20 mg estradiol benzoate plus 1 pellet containing 29 mg tylosin tartrate as a local antibacterial. COMPONENT® E-H Implants are recommended for use in heifers weighing 400 lbs or more for INCREASED RATE OF WEIGHT GAIN AND IMPROVED FEED EFFICIENCY.

Do not use in veal calves. Effectiveness and animal safety in veal calves have not been established.

DOSAGE: Administer 1 implant per animal according to the following instructions.

GENERAL INSTRUCTIONS:

Study the instructions which should be followed carefully at all times, avoiding short cuts. Skin infection can be avoided by properly preparing implant site and implanter. During fly season use fly repellent on implant site. One designated team member should always do the implanting. Cleanliness of hands and instruments is important at all times.

WARNING

Not to be used in animals intended for subsequent breeding, or in dairy animals. Implant one dose — 9 pellets (entire contents of one cartridge cell) — in the ear subcutaneously. Any other site of implantation is in violation of Federal Law. DO NOT attempt to salvage implantation site for animal feed or human food.

A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

RESTRICTED DRUG — USE ONLY AS DIRECTED (CALIFORNIA) — FOR USE IN ANIMALS ONLY — NOT FOR HUMAN USE — KEEP OUT OF REACH OF CHILDREN

CAUTION:

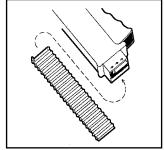
For use in heifers only. Bulling, vaginal and rectal prolapse, udder development, ventral edema and elevated tail-heads have occasionally been reported in animals implanted with testosterone propionate and estradiol benzoate.

IMPLANTING INSTRUCTIONS:

Loading the Implanter

Load the implanter following the instructions supplied with each implanter.





Restrain the Animal

Speed of implantation as well as safety of handlers is best achieved by restraining animal in a squeeze chute using head restraint. When implanting horned cattle, better control is obtained with additional use of nose tongs.

Prepare the Implant Site

Scrub the back side of the ear (implant site) with a piece of clean absorbent cotton which has been soaked with a germicidal solution. Follow manufacturer's directions on germicide for correct strength and preparation of solution. Avoid getting disinfectant in animal's eyes.

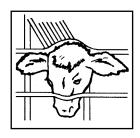
Where to Implant

The full contents of one cartridge cell should be implanted beneath the skin on the back side of the middle one-third of the ear as illustrated in the drawing. The implant must not be closer to the head than the edge of the auricular cartilage ring farthest from the head. The location for insertion of the needle is a point toward the tip of the ear and at least a needle length away from the intended deposition site.

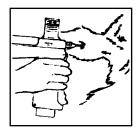
Avoid injuring the large arteries, veins and cartilage of the ear.

Insert the Needle

With one hand firmly grasp the ear. With the other hand insert needle point through the skin and ease forward on a lateral plane until the entire length of the needle is under the skin.







Implant the Pellets

After inserting the needle fully in the correct implant position squeeze the trigger fully. As the needle is withdrawn from the ear, the controlled-pressure plunger action properly deposits the implant in the needle track. This procedure should prevent breakage or crushing of pellets if otherwise forced into contact with tough fibrous-tissue underlying the skin. The length and total contact area of a single dose are designed to permit absorption of the hormones after implantation to stimulate good weight gain. Broken or crushed pellets may interfere with rates of gain and may lead to undesirable side effects such as noted in the CAUTION.

Clean the Needle

Clean the implanter needle with alcohol or a properly diluted germicidal solution prior to implanting the next animal.

Storage Conditions

Store at controlled room temperature 15° to 30°C (59° to 86° F) DO NOT refrigerate – avoid excessive heat and humidity.

NADA 135-906, Approved by FDA

Manufactured by a non-sterilizing process.

*U.S. Patent No. 4,531,938

**U.S. Patent Nos. 4,762,515 & 5,522,797 – Ivy Animal Health, Inc. COMPONENT E-H with Tylan is covered by U.S. Patent No. 5,874,098

COMPONENT and COMPONENT One Gun are registered trademarks of Ivy Animal Health, Inc.

Tylan is a registered trademark of Eli Lilly and Company.

Manufactured for VetLife by Ivy Laboratories.

Overland Park, KS 66214, USA

VetLife and Ivy Laboratories are divisions of Ivy Animal Health, Inc.

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Elanco

SAFETY DATA SHEET

1. Identification

Product identifier Component E-H Implant with Tylan and Component H Implant with Tylan

Other means of identification

Item Code AH0338

Synonyms Component E-H Implant with Tylan * Component H Implant with Tylan

Recommended use Veterinary Pharmaceutical

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company Name Elanco Animal Health

2500 Innovation Way Greenfield, IN 46140

US

Phone: 1-877-Elanco1 (1-877-352-6261)

Email: lilly_msds@lilly.com

Emergency Telephone Elanco Product Technical Support / Human or Animal Exposure Reporting:

Numbers: 1-888-545-5973

Transportation Emergency Telephone: CHEMTREC: 1-800-424-9300

(Outside U.S. 1-703-527-3887)

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Acute toxicity, oral Category 4

Serious eye damage/eye irritation

Category 2B

Sensitization, respiratory

Category 1

Sensitization, skin

Category 1

Carcinogenicity

Category 1A

Reproductive toxicity

Category 1A

Reproductive toxicity Effects on or via lactation

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H320 Causes eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H350 May cause cancer.

H360 May damage fertility or the unborn child. H362 May cause harm to breast-fed children.

Precautionary statement

Prevention

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P263 Avoid contact during pregnancy/while nursing.

P264 P270 P280 P285	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.
Response	
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P304 + P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P305 + P351 +	
P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
Storage	
P405	Store locked up.

P405

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations. P501

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Testosterone Propionate		57-85-2	65.79
Tylosin Tartrate	Tylosin, (2R,3R)-2,3-dihydroxybutanedioate (salt) LSN 029510	1405-54-5	9.54
Estradiol Benzoate		50-50-0	6.58
Other components below reportable levels			18.09

Composition comments

This product consists of Testosterone Propionate and Estradiol (Component E-H or Component H), and Tylosin Tartrate, packaged independent of one another and encased in a plastic cartridge belt that poses no exposure risk unless the belt is damaged.

4. First-aid measures

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention immediately. Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get Skin contact

medical attention immediately.

Eye contact In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under

the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

Call a physician or poison control center immediately. If conscious, give the victim plenty of water Ingestion

to drink. Never give anything by mouth to a victim who is unconscious or is having convulsions.

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Most important symptoms/effects, acute and delayed

May cause allergic skin reaction. May cause allergic respiratory reaction. Causes eye irritation. May cause cancer. May cause reproductive effects.

Intact implants are not considered hazardous under normal handling procedures. Caution should be used to avoid contact with the contents which contain testosterone propionate and estradiol. Prolonged exposure to testosterone propionate may affect the reproductive system and secondary sexual characteristics. High doses may also cause altered liver function with jaundice, fluid retention, weight gain, increased cholesterol levels, and increased number of red blood cells.

Increased breast size in boys and pseudoprecocious puberty in girls have been observed in children born to women occupationally exposed to estrogen. In men, overexposure may lead to gynecomastia (breast tenderness, breast nodules or enlarged breasts). In women, overexposure may cause menstrual irregularities (breakthrough bleeding, change in menstrual flow, spotting, amenorrhea) and breast changes (tenderness, enlargement, and secretion). Other effects of exposure to estradiol may include headache, nausea, vomiting, abnormal blood clotting, and increased incidence of cancer. An accelerated skeletal maturation, strong pigmentation of the sexual organs and a feminizing syndrome in boys has also been noted in children of parents who work in estrogen production.

Indication of immediate medical attention and special treatment needed

The estradiol may aggravate pre-existing estrogen-dependent neoplasias including malignancies of the female reproductive organs and breast, thromboembolic diseases, impaired liver or kidney function, and pregnancy.

General information

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Water. Carbon dioxide (CO2). Dry chemical.

None known.

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters

Hazardous decomposition products formed under fire conditions.

Wear self-contained breathing apparatus and protective clothing.

Use water spray to cool unopened containers.

Fire fighting

equipment/instructions
Specific methods

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

emergency procedures

Methods and materials for
containment and cleaning up

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust and contact with skin and eyes. See Section 8 of the SDS for Personal Protective Equipment.

Use standard firefighting procedures and consider the hazards of other involved materials.

If pellets remain intact, scoop or scrape up material into containers for disposal. If pellets are broken, contain dry material by lightly misting with water, followed by vacuuming. Vacuum material with appropriate dust collection filter in place. Be aware of potential for dust explosion when using electrical equipment. If vacuum is not available, lightly mist/wet material and remove by mopping or wet wiping.

Large spills due to traffic accidents, etc., should be reported immediately to CHEMTREC and Elanco Animal Health for assistance.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes.

7. Handling and storage

Precautions for safe handling

NOT INTENDED FOR HUMAN USE.

Do not handle until all safety precautions have been read and understood. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

8. Exposure controls/personal protection

Occupational exposure limits No exposure limits noted for ingredient(s).

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Biological limit values No biological exposure limits noted for the ingredient(s).

Lilly Exposure Guideline (LEG): 12 hour TWA <100 ug/m3 (Tylosin Tartrate) **Exposure guidelines**

Lilly Exposure Guideline (LEG): 12 hour TWA 0.8 ug/m3 (Testosterone)

Lilly Exposure Guideline (LEG): 8 hour TWA 0.9 ug/m3 (Testosterone)

Lilly Exposure Guideline (LEG): 12 hour TWA 0.025 ug/m3 (Estradiol)

Lilly Exposure Guideline (LEG): 8 hour TWA 0.04 ug/m3 (Estradiol)

Lilly Exposure Guideline (LEG): 30 min Excursion Limit 0.075 ug/m3 (Estradiol)

Appropriate engineering

controls

Open handling is not recommended. Use appropriate control measures such as fume hood, ventilated enclosure, isolator (eg. glovebag, glovebox), or closed material transfer systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Chemical resistant gloves.

Other Chemical-resistant gloves and impermeable body covering to minimize skin contact.

Select appropriate respirator for physical characteristics of material. Select respirator with Respiratory protection

appropriate protection factor.

Thermal hazards Not available.

General hygiene considerations

The intact implant is not considered hazardous under normal handling procedures.

In a manufacturing setting, wear chemical-resistant gloves and body covering to minimize skin contact. If handled in a ventilated enclosure, as in a laboratory setting, respirator and goggles or

face shield may not be required. Safety glasses are always required.

Under normal use and handling conditions, wear goggles to protect eyes and wear impermeable gloves and protective equipment to avoid direct contact with skin. Wash thoroughly with soap and

water after handling.

9. Physical and chemical properties

Appearance

Physical state Solid.

Form Solid. Cylindrical pellets packaged as an implant.

Blue (Tylosin Tartrate) Color

White (Testosterone Propionate and Estradiol Benzoate)

Odor Odorless

Odor threshold No data available No data available. pН No data available. Melting point/freezing point Initial boiling point and boiling

range

No data available.

Flash point No data available. No data available. **Evaporation rate** Flammability (solid, gas) No test data available.

Upper/lower flammability or explosive limits

No data available. Flammability limit - lower

(%)

Flammability limit - upper

(%)

No data available.

No data available. Explosive limit - lower (%) Explosive limit - upper (%) No data available. Vapor pressure No data available.

Vapor density No data available. No data available. Relative density

Solubility(ies)

Solubility (water) No data available. **Partition coefficient** No data available.

(n-octanol/water)

Auto-ignition temperature No data available. **Decomposition temperature** No data available. No data available. Viscosity

Other information

Density No data available.

Dust explosion properties

Minimum ignition energy (MIE) - dust

< 5 mJ (estradiol)

Not explosive **Explosive properties**

No oxidizing properties. Oxidizing properties Potential for dust No data available.

explosion

cloud

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Material is stable under normal conditions. Chemical stability Possibility of hazardous Hazardous polymerization does not occur.

reactions

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

Hazardous decomposition products formed under fire conditions.

11. Toxicological information

Information on toxicological effects

Acute toxicity Harmful if swallowed.

Components **Species Test Results**

Testosterone Propionate (CAS 57-85-2)

Acute Oral

LD50 Mouse 1350 mg/kg

Rat 1000 mg/kg

Tylosin Tartrate (CAS 1405-54-5)

Acute Dermal

LD50 Rabbit > 2000 mg/kg

Inhalation

LC50 Rat > 600 mg/m3, 1 h

Oral

LD50 Rat > 6200 mg/kg

Skin corrosion/irritation This information is not available.

Serious eye damage/eye

irritation

Causes eye irritation. (Tylosin Tartrate) (cleared within 7 days)

Respiratory or skin sensitization

Respiratory sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitization May cause an allergic skin reaction.

^{*} Estimates for product may be based on additional component data not shown.

Germ cell mutagenicity

Negative in bacterial cells. Induced micronuclei but not chromosomal aberrations, aneuploidy, or sister chromatid exchanges in in-vitro human cell assays. Induced aneuploidy and unscheduled DNA synthesis but did not induce DNA strand breaks or sister chromatid exchanges in in-vitro rodent cell assays. Did not induce chromosomal aberrations in bone marrow cells of mice treated in-vivo. (Estradiol)

Results in genetic toxicity assays (in vitro): Negative (Testosterone)

Mutagenic in one mammalian test system. Not mutagenic in bacterial cell tests and other mammalian cell tests. Unlikely to pose a genotoxic risk to man. (Tylosin Tartrate, as free base)

Based on available data, the classification criteria are not met.

Carcinogenicity May cause cancer. IARC Group 1 (sufficient evidence of carcinogenicity in humans).

Estrogen-only menopausal therapy is carcinogenic to humans (Group 1) (Estradiol Benzoate)

IARC Group 2A (limited evidence of carcinogenicity in humans).

Androgenic (Anabolic) steroids are probably carcinogenic to humans (Group 2A) (Testosterone

Propionate)

Animal testing did not show any carcinogenic effects. (Tylosin Tartrate, as free base)

IARC Monographs. Overall Evaluation of Carcinogenicity

Testosterone Propionate (CAS 57-85-2)

2A Probably carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Estradiol Benzoate (CAS 50-50-0)

Known To Be Human Carcinogen.

Reproductive toxicity

May cause harm to breastfed babies. May damage fertility or the unborn child.

Specific target organ toxicity -

single exposure

Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity -

repeated exposure

Due to partial or complete lack of data the classification is not possible.

No aspiration toxicity classification Aspiration hazard

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
Estradiol Benzoate (C	AS 50-50-0)		
Aquatic			
Fish	LC50	Medaka, high-eyes (Oryzias latipes)	460 μg/l, 72 h (Estradiol)
		Rainbow trout,donaldson trout (Oncorhynchus mykiss)	> 0.5 mg/l, 48 h (Estradiol)
Tylosin Tartrate (CAS	1405-54-5)		
	EC50	Oats (Seedling)	140 mg/kg (Growth, as free base)
		Soybean (Seedling)	53 mg/kg (Growth, as free base)
		Tomato (Seedling)	43 mg/kg (Growth, as free base)
Acute			
	LC50	Duck (Mallard duck)	> 5000 mg/kg, 5 days (dietary, as free base)
		Quail (Bobwhite quail)	> 5000 mg/kg, 5 days (dietary, as free base)
Other	EC50	Pseudokirchnerella subcapitata	0.22 mg/l (average specific growth rate) (as free base)
Chronic			
	LC50	Earthworms (Eisenia fetida)	> 102.6 mg/kg, 14 days
		Quail (Bobwhite quail)	> 2000 mg/kg, 14 days
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	> 300 mg/l (as free base)

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Components		Species	Test Results
Fish	LC50	Bluegill (Lepomis macrochirus)	> 300 mg/l (as free base)
		Rainbow Trout	> 300 mg/l (as free base)

^{*} Estimates for product may be based on additional component data not shown.

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

The product contains potentially bioaccumulating substances.

Partition coefficient n-octanol / water (log Kow)

Estradiol Benzoate 4.01
Tylosin Tartrate 17, (pH 7)
17, (pH 9)
5, (pH 5)

Mobility in soil Soil degradation half-life (100 ppm): 62 days (tylosin factor A); 37 days (tylosin factor D)

Soil degradation half-life (1 mg/kg; 4 soils): 50.3 to 105 days

Leaching in soil column: none

Adsorption

Soil/sediment sorption - log Koc

Tylosin Tartrate 1652 Silt Loom (pH 5.7) 200 Sandy Loom (pH 4.6) 2233 Sandy Loom (pH 7.6)

Other adverse effects Not available.

Ecotoxicological Properties

Drinking Water

Components	Test Results
Estradiol Benzoate	0.00022 μg/l, (Lilly Aquatic Exposure Guideline)
Testosterone Propionate	0.004 μg/l, (Lilly Aquatic Exposure Guideline)
Tylosin Tartrate	36 μg/l, (Lilly Aquatic Exposure Guildeline)
Chronic Exposure of Aquatic Organisms	
Components	Test Results
Estradiol Benzoate	0.0009 μg/l, (Lilly Aquatic Exposure Guideline)
Testosterone Propionate	0.0003 μg/l, (Lilly Aquatic Exposure Guideline)
Tylosin Tartrate	99 μg/l, (Lilly Aquatic Exposure Guildeline)
Acute Exposure of Aquatic Organisms	
Components	Test Results
Estradiol Benzoate	0.009 μg/l, (Lilly Aquatic Exposure Guideline)
Testosterone Propionate	0.01 μg/l, (Lilly Aquatic Exposure Guideline)
Tylosin Tartrate	220 µg/l, (Lilly Aquatic Exposure Guildeline)

13. Disposal considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.

Do not allow this material to drain into sewers/water supplies.

Waste codes The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

14. Transport information

General information Effective January 1, 2015 by Special Provision, UN3077 and UN3082 when packaged in inner

packages of 5L / 5 KG or less are not subject to the dangerous goods regulations.

DOT

Not regulated as dangerous goods.

IATA

UN number UN3077

UN proper shipping name

Transport hazard class(es)

Environmentally hazardous substance, solid, n.o.s. (Tylosin Tartrate)

Class 9
Subsidiary risk Packing group III
Environmental hazards Yes

ERG Code 9L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

aircraft

Allowed.

Not applicable.

Cargo aircraft only Allowed.

IMDG

UN number UN3077

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tylosin Tartrate)

Transport hazard class(es)

Class 9
Subsidiary risk Packing group III
Environmental hazards

Marine pollutant Yes
EmS F-A, S-F

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

IATA; IMDG



Marine pollutant



15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances - Not applicable.

One or more components are not listed on TSCA.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes **Hazard categories**

Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

(SDWA)

Not regulated.

US state regulations WARNING: This product contains a chemical known to the State of California to cause cancer and

birth defects or other reproductive harm.

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

Testosterone Propionate (CAS 57-85-2)

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Estradiol Benzoate (CAS 50-50-0) Listed: April 1, 1990 US - California Proposition 65 - CRT: Listed date/Female reproductive toxin Estradiol Benzoate (CAS 50-50-0) Listed: April 1, 1990 Testosterone Propionate (CAS 57-85-2) Listed: April 1, 1990 US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Estradiol Benzoate (CAS 50-50-0) Listed: April 1, 1990 Testosterone Propionate (CAS 57-85-2) Listed: April 1, 1990

International Inventories

Country(s) or region Inventory name On inventory (yes/no)* Canada Domestic Substances List (DSL) Nο

Non-Domestic Substances List (NDSL) No Canada

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Toxic Substances Control Act (TSCA) Inventory

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 03-18-2015 09-11-2015 **Revision date**

Version # 02

United States & Puerto Rico

Health: 2 Lilly Lab Code

Fire: 1

Reactivity: 0 Special 1: C Special 2: R Special 3: P Special 4: A

Material name: Component E-H Implant with Tylan and Component H Implant with Tylan

4387 Version #: 02 Revision date: 09-11-2015 Issue date: 03-18-2015

No

Disclaimer

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS MATERIAL SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

For additional information contact:

Elanco Animal Health 0011+1-877-352-6261 0011+1-800-428-4441

Revision Information

Product and Company Identification: Alternate Trade Names

Physical & Chemical Properties: Multiple Properties

GHS: Classification