

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name	Estriol USP Micronized (E3)		
Commercial Name	Aacifemine, Destriol, Follicular Hormone Hydrate, Gynaesan, Hemostyptanon, Holin, Oestratriol, Ovestin, Stiptanon, The		
Product Use	Not available		
Restrictions On Use	Not available		
Product Code	55-1714		
Company	PCCA 9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760	In case of emergency contact: CHEMTREC (24hr) 1-800-424-9300	

Section 2: Hazard(s) Identification

OSHA Haz Com: Carcinogenicity (Category 1) Reproductive toxicity (Category 1)
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) May cause cancer. May damage fertility or the unborn child.

Pictogram(s) or Symbol(s)

**Precautionary Statement(s):**

Prevention	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required
Response	If exposed or concerned: get medical advice/ attention
Storage	Store locked up.
Disposal	Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	Estriol
% By Weight	100
CAS#	50-27-1
Molecular Weight	288.39 g/mole
Chemical Formula	C18H24O3
Synonym(s)	Oestril; (16-alpha,17-beta)-Oestra-1,3,5(10)-triene-3,16,17-triol; 1,3,5-Estratriene-3-beta,16-alpha,17-beta-triol; 1,3,5-Oestratriene-3-beta,16-alpha,17-beta-triol; 16-alpha,17-beta-Estril; 16-alpha,17-beta-Oestril; 3,16-alpha,17-beta-Trihydroxy-delta-1,3,5-estratriene;

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Estril	50-27-1	100	Not Available.	Not Available.

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Section 4: First-Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur
Symptoms/Effects	
Acute	Not available
Delayed	Not available.
Immediate Medical Attention	
Treat symptomatically.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Not available

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Section 6: Accidental Release Measures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation Environmental Precautions: Should not be released into the environment. See Section 12 for additional Ecological Information. Methods for Containment and Clean Up: Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal

Section 7: Handling and Storage

Handling Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation. Storage. Protect from light. Incompatible Materials. Oxidizing agent

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not found.
Engineering Controls	Ensure adequate ventilation, especially in confined areas.
Personal Protection	Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Hygiene Measures; Handle in accordance with good industrial hygiene and safety practice.

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Section 9: Physical and Chemical Properties

Appearance	Solid.		
Odor	Not available.		
Odor Threshold	Not found		
Melting Point	280 - 282 °C / 536 - 539	pH	Not found
Freezing Point	Not available	Vapor Pressure	Not available.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not found
Flash Point	Not available.	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not found
		Upper	Not found
Solubility(ies)	Insoluble in water		
Other	Not found		

Section 10: Stability and Reactivity

Reactivity	None known, based on information available
Chemical Stability	Light sensitive
Hazardous Polymerization	Hazardous polymerization does not occur
Conditions to Avoid	Avoid exposure to light.
Incompatible Materials	Oxidizing agent
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information**RTECS** KG8225000**Acute Toxicity**

LD50 Oral > 2 g/kg (Rat)

Skin Corrosion/Irritation

Not found

Serious Eye Damage/Irritation

Not found

Respiratory or Skin Sensitization

Not found

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Not available

Routes of Entry

Ingestion.

Symptoms Related to Exposure

Not available



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Potential Health Effects

Not available

Target Organ(s)

Not available.

Section 12: Ecological Information

Ecotoxicity

Do not empty into drains

Persistence and Degradability

Persistence is unlikely

Bioaccumulative Potential

Not found

Mobility in Soil

Is not likely mobile in the environment due its low water solubility

Other Adverse Effects

Not found

Section 13: Disposal Considerations

Waste Disposal

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information

DOT Classification

DOT: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods.

Section 15: Regulatory Information

Regulations

Not available.

Other

Not available.

Section 16: Other Information

Not available.