Estradiol

1. Process

Differing concentrations of estradiol (E2) and sesame oil will be prepared inside of a chemical fume hood. The solutions will be injected into silastic capsules, which will be plugged at both ends by silicone glue.

2. Hazard class

Carcinogen, reproductive hazard

3. Personal Protective Equipment

Respiratory protection
Handling of estradiol in the crystalline/powder form and in solution with sesame oil will occur in a functional chemical fume hood. Respiratory protection is not required

Hand protection
Handle with gloves.

Eye protection
Safety glasses

Body protection
Lab coat.

Hygiene measures
Avoid contact with skin, eyes and clothing. Wash hands after removing gloves and after handling product.

4. Engineering Controls

Chemical fume hood required when handling estradiol and estradiol solutions.

5. Special Handling Procedures and Storage Requirements

Handling
Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage
Keep container tightly closed in a dry and well-ventilated place

6. Spill and Accident Procedures

Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.
7. **Environmental precautions**  
   Do not let product enter drains.

8. **Waste Disposal Procedures**  
   Estradiol will be collected and managed as a Non-RCRA waste. All liquid and solid waste including contaminated gloves will be contained and disposed of through Northern Arizona University’s Office of Regulatory Compliance.