



SAFETY DATA SHEET

DATE: 31st October 2024

1. Identification

Product Name: Ethinyl Estradiol USP

CAS Number: 57-63-6

Recommended use/Use advised against: No information available

Details of the Australian Supplier:

Astral Scientific Pty Ltd
29 Mangrove Lane
Taren Point NSW 2229

Company Phone Number: 02 9540 2055

Email Address: support@astralscientific.com.au

Emergency Telephone Number: 13 11 26

2. Hazard(s) Identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910. 1200)

Label Elements

Signal Word: Danger

Hazard Statements: H302 Harmful if swallowed. H351 Suspected of causing cancer. H360 May damage fertility or the unborn child. H410 Very toxic to aquatic life with long lasting effects.



Precautionary Statements: PREVENTION: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

RESPONSE: P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P391 Collect

spillage. **DISPOSAL:** P501 Dispose of contents/ container to an approved waste disposal plant.
Restricted to professional users.

3.Composition / Information on ingredients

Component	CAS #	Purity / Weight %
17 α -Ethinylestradiol	57-63-6	<= 100 %

4.First-aid measures

General Advice	If symptoms persist, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses. Get medical attention.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.
Inhalation	Remove to fresh air. Get medical attention.
Ingestion	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
Most important symptoms/effects	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
Notes to physician	No information available

5.Fire-fighting measures

Suitable extinguishing media	Water Foam, Carbon dioxide (CO ₂), Dry powder.
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Flash Point	No information available
Method	No information available
Autoignition temperature	No information available
<u>Explosion limits</u>	
Upper	No information available
Lower	No information available
Sensitivity to mechanical impact	No information available

Sensitivity to static discharge No information available

Specific hazards arising from the chemical

Carbon oxides. Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

Hazardous combustion products

No information available

Protective equipment and precautions for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6.Accidental release measure

Personal precautions Use personal protective equipment as required. Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions Do not let product enter drains.

Methods for containment/clean-up Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.

7.Handling and storage

Handling Work under hood. Do not inhale substance/mixture.

Storage Keep locked up or in an area accessible only to qualified or authorized persons. Store at room temperature. Preserve in non-metallic, light resistant container tightly closed in a dry and well-ventilated place.

8.Exposure controls / personal protection

Personal protective equipment

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 Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene measures	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.
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9. Physical and chemical properties

Physical state	Solid
Appearance	White / slightly yellowish crystalline powder
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/range	180 - 186 °C
Boiling point/range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability or explosive elements	
Upper	No information available
Lower	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

10. Stability and reactivity

Reactive hazard	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
Stability	Stable under normal conditions

Conditions to avoid	Incompatible products. Excess heat. Avoid dust formation.
Incompatible materials	No information available
Hazardous decomposition products	In the event of fire, see section 5
Hazardous polymerization	No information available
Hazardous reactions	Violent reactions possible with strong oxidising agents

11.Toxicological information

Acute Toxicity

Product information / Component information

LD50 Oral	LD50 Dermal	LC50 Inhalation
Rat - 960 mg/kg	No information available	No information available

Toxicologically synergistic products	No information available
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation	No information available
Sensitization	No information available
Carcinogenicity	Suspected of causing cancer
Mutagenic effects	No information available
Reproductive effects	Suspected of damaging the unborn child. May damage fertility. Positive evidence from human epidemiological studies.
Developmental effects	No information available
Teratogenicity	No information available
STOT – single exposure	No information available
STOT – repeated exposure	No information available
Aspiration hazard	No information available
Symptoms/effects, both acute and delayed	No information available
Endocrine disruptor information	No information available
Other adverse effects	Discharge into the environment must be avoided.

12.Ecological information

Ecotoxicity

Toxicity to fish (Chronic toxicity)	NOEC - Pimephales promelas (fathead minnow) - 0.0000121 mg/l - 56 d Remarks: (ECOTOX Database)
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Persistence and degradability	No information available
Bioaccumulation/accumulation	No information available
Mobility	No information available

13. Disposal considerations

Waste disposal methods	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
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14. Transport information

N/A

15. Regulatory information

Therapeutic Goods (Poisons Standard) Instrument: Schedule 4

Revision date 31st October 2024

Revision Note No information available.

Disclaimer

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End of Safety Data Sheet