

SAFETY DATA SHEET



1. Identification of Substance / Mixture

Product Identifier

Product Name	3-Ethoxy-androsta-3,5-dien-17-one
Other Names	
Product Code	IL-EAO
CAS	972-46-3
MDL	MFCD00271201
EINECS	
REACH Registration Number	
Relevant Uses	Research and Development
Uses Advised Against	No uses advised against.

Supplier Details

Company	ISOMERLAB D.O.O.
Address	TRŽAŠKA CESTA 297A , SI-1000 LJUBLJANA SLOVENIA
Telephone	+38640764332
Email	INFO@ISOMERLAB.COM
Emergency Telephone	112

2. Hazards Identification

Classification	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2A STOT SE 3 Carc. 2
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Signal Word

WARNING

Pictograms



GHS07



GHS08

Hazards	H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer.
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Precautions

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/vapours/spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear face protection.
P301+P312 IF SWALLOWED: Call a doctor if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment.
P330 Rinse mouth.
P337+P313 If eye irritation persists: Get medical advice/attention.
P340 Remove person to fresh air and keep comfortable for breathing.
P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Other Classification Hazards

3. Composition of Ingredients

SUBSTANCE				
Name	CAS	Einecs	Composition	Hazards
3-Ethoxy-androsta-3,5-dien-17-one	972-46-3		<= 100%	H302 Acute Tox. 4 H315 Skin Irrit. 2 H319 Eye Irrit. 2A H332 Acute Tox. 4 H335 STOT SE 3 H351 Carc. 2

4. First Aid Measures

Eye contact	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing and seek medical attention.
Ingestion	If swallowed rinse the mouth with plenty of water (only if the person is conscious) and contact a poison centre or physician if you feel unwell.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison centre or physician if you feel unwell. If breathing is irregular or stopped, administer artificial respiration.
Skin Contact	After contact with skin, wash immediately with plenty of water and soap. Remove contaminated clothing immediately. In case of skin reactions, consult a physician.
General Advice	No additional advice.
Most Important Symptoms and Effects	No known symptoms or effects.
Immediate First Aid Measures	No additional first aid measures required.

5. Fire Fighting Measures

Suitable Fire Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Fire Extinguishing Media	No known unsuitable media.
Special Hazards	Thermal decomposition can lead to release of irritating gases and vapours.
Advice for Fire Fighters	As in any fire, wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Keep personnel away from spill/leak.
Environmental Precautions	Do not let product enter drains or waterways. Avoid discharge into the environment.
Containment - Methods and Materials	Spill Response should only be carried out by trained or qualified personnel.
Referenced SDS Sections	For personal protection see section 8. For disposal see section 13.

7. Handling and Storage

Personal Precautions

Safe Handling	Wear appropriate personal protective equipment. Use only under a chemical fume hood ensuring adequate ventilation, especially if dust, aerosol or fumes will be generated. Avoid contact with skin, eyes and clothing. For precautions see section 2.2.
Protection Against Explosion and Fire	Where possible, use anti static and spark proof equipment when handling.
General Occupational Hygiene	Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after use. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

Conditions for Safe Storage and Incompatibilities

Managing Storage Risks	Keep container tightly closed and upright. Store in a cool, dry and well-ventilated place.
Storage Controls	No special requirements
Maintaining Integrity	Keep container tightly closed in a cool area away from sunlight or heat sources.
Other Advice	No other specific advice available.

8. Exposure Controls / Personal Protection

Control Parameters

Country	Info	Long Term (ppm)	Long Term (mgm3)	Short Term (ppm)	Short Term (mgm3)	Ceiling (ppm)	Ceiling (mgm3)	Other Unit	Remarks
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Engineering Measures	Use only under a chemical fume hood ensuring adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.								
Face Protection	Wear tightly fitting safety goggles which adhere to European standard EN 166. Ensure eye bath is to hand.								
Hand Protection	Handle with impermeable gloves. Inspect gloves before use. Gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.								
Skin Protection	Wear appropriate protective clothing ensuring all skin is covered. Wear safety shoes that meet at least S1 standards. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.								
Respiratory Protection	Product should be handled in a fume cupboard with adequate extraction. No respiratory equipment is needed under normal use conditions.								
Hygiene Protection	Ensure hair or skin particles cannot enter the chemical container.								
Environment Exposure Controls	Avoid discharge into the environment, see section 6.2.								

9. Physical and Chemical Properties

State	Solid
Appearance	solid
Odour	Odourless
Odour Threshold	No data available.
pH	No data available.
Melting Point / Freezing Point	131 °C
Initial Boiling Point	No data available.
Boiling Range	No data available.
Flash Point	No data available.
Evaporation Rate	No data available.
Flammability	No data available.
Upper / Lower Flammability or Explosion Limits	No data available.
Vapour Pressure	No data available.
Vapour Density	No data available.
Relative Density	No data available.
Solubility	in Chloroform, Alcohols, Acetone, Dioxane
Partion Coefficient	No data available.
Auto Ignition Temperature	No data available.
Decomposition Temperature	No data available.
Viscosity	No data available.
Explosive Properties	No data available.
Oxidising Properties	No data available.
Other information	No additional information available

10. Stability and Reactivity

Reactivity	No known reactivity, based on information available.
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Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal storage conditions.
Conditions To Avoid	Excess heat. Exposure to moisture.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	No Data Available.

11. Toxicology Information

Acute Toxicity	No Toxicology data available for this product.
Skin Corrosion / Irritation	No Toxicology data available for this product.
Serious Eye Damage / Irritation	No Toxicology data available for this product.
Respiratory or Skin Sensitisation	Suspected of causing cancer.
Germ Cell Mutagenicity	No Toxicology data available for this product.
Carcinogenicity	Suspected of causing cancer.
Reproductive Toxicity	No Toxicology data available for this product.
STOT-single Exposure	No Toxicology data available for this product.
STOT-repeated Exposure	No Toxicology data available for this product.
Aspiration Hazard	No Toxicology data available for this product.
Additional Toxicology Information	No Toxicology data available for this product.

12. Ecological Information

Toxicity	No Ecological data available for this product.
Persistence and Degradability	No Ecological data available for this product.
Bio-Accumulative Potential	No Ecological data available for this product.
Mobility in Soil	No Ecological data available for this product.
Results of PBT and vPvB assessment	No Ecological data available for this product.
Endocrine Disrupting Properties	No Ecological data available for this product.
Other Adverse Effects	No Ecological data available for this product.

13. Disposal Considerations

Disposal Operations	Ensure product is disposed of by licensed waste carriers.
Disposal of Packaging	Ensure INNER PACKAGING is disposed of by licensed waste carriers. Some OUTER PACKAGING MAY be recyclable if not contaminated.

14. Transport Information

This product is classified as non-hazardous for transport.

15. Regulatory Information

Regulatory Information	The following regulations apply to the product in this SDS. Where the status of a product cannot be fully determined or is labelled as possibly controlled, we have assumed the product is controlled to avoid the potential import, export or use of the product without having the correct protocols in place to do so.
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Jurisdiction Name

United States of America

Legislation Name

Controlled Substances Act - Regulations 21 CFR, Part 1300-1399

Additional Information

On DEA Arcos listing as DEA 4105. Example of a Anabolic Steroid under DEA 4000, Schedule III (f) Anabolic Steroids. Substance specifically listed in Title 21 United States Code (USC) Controlled Substances Act, SUBCHAPTER I ♦ CONTROL AND ENFORCEMENT, Part A ♦ Introductory Provisions, (41)(A) Anabolic steroid means any drug or hormonal substance, chemically and pharmacologically related to testosterone (other than

estrogens, progestins, corticosteroids and dehydroepiandrosterone), and includes: ' Note - the Designer Anabolic Steroid Control Act of 2014 introduced into the CSA the wording ' a drug or hormonal substance (other than estrogens, progestins, corticosteroids, and dehydroepiandrosterone) and is derived from, or has a chemical structure substantially similar to' a controlled anabolic steroid ' shall be considered to be an anabolic steroid for purposes of this chapter if (I) the drug or substance has been created or manufactured with the intent of producing a drug or other substance that either (aa) promotes muscle growth; or (bb) otherwise causes a pharmacological effect similar to that of testosterone; or (II) the drug or substance has been, or is intended to be, marketed or otherwise promoted in any manner suggesting that consuming it will promote muscle growth or any other pharmacological effect similar to that of testosterone.' See the CSA for more details.

Chemical Safety Assessment

No Chemical Safety Assessment available for this product.

16. Other Information

Information Not Covered in Other Sections

ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road)
RID:Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association ICAO:International Civil Aviation Organization
ICAO-TI: Technical Instructions by the ICAO
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS:Chemical Abstracts Service

Revision

1.279

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Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user. This SDS adheres to Regulation (EC) No 1907/2006.