SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
  - Product name: 17alpha-Trenbolone (Etiprenbolone)
  - Part number: NMIAD708
  - CAS Number: 80657-17-6

- 1.2 Relevant identified uses of the substance or mixture and uses advised against
  - Application of the substance / the mixture: Reference material for laboratory use only

- Manufacturer/Supplier:
  - LGC Limited
  - Queens Road
  - Teddington
  - Middlesex TW11 0LY
  - UNITED KINGDOM

- Further information obtainable from:
  - Product safety department
  - eMail: sds-request@lgcgroup.com

- 1.4 Emergency telephone number: +44 (0) 20 8943 7000 (Monday - Friday: 8am - 5pm)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
  - Classification according to Regulation (EC) No 1272/2008

  GHS08 health hazard

  Carc. 2  H351  Suspected of causing cancer.
  Repr. 1B  H360  May damage fertility or the unborn child.

- 2.2 Label elements
  - Labelling according to Regulation (EC) No 1272/2008
    The substance is classified and labelled according to the CLP regulation.
  - Hazard pictograms

  GHS08

  - Signal word Danger
  - Hazard statements
    H351 Suspected of causing cancer.
    H360 May damage fertility or the unborn child.
  - Precautionary statements
    P280 Wear protective gloves/protective clothing/eye protection/face protection.
    P201 Obtain special instructions before use.
    P202 Do not handle until all safety precautions have been read and understood.
    P308+P313 IF exposed or concerned: Get medical advice/attention.
    P405 Store locked up.
    P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information:
  Restricted to professional users.

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Product name: 17\textalpha-Trenbolone (Epitrenbolone)

2.3 Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients
- 3.1 Chemical characterisation: Substances
  - CAS No. Description
    - 80657-17-6 17\textalpha-Trenbolone (Epitrenbolone)
  - Identification number(s) None
  - RTECS: KG7753000
  - Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures
- 4.1 Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Immediately wash with water and soap and rinse thoroughly.
  - After eye contact: Rinse opened eye for several minutes under running water.
  - After swallowing: Rinse mouth. Do not induce vomiting.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
  - No further relevant information available.

SECTION 5: Firefighting measures
- 5.1 Extinguishing media
  - Suitable extinguishing agents:
    - CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture
  - Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
  - Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures
- 6.1 Personal precautions, protective equipment and emergency procedures
  - Wear protective clothing.
- 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.
- 6.3 Methods and material for containment and cleaning up:
  - Dispose of contaminated material as waste according to item 13.
- 6.4 Reference to other sections
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

SECTION 7: Handling and storage
- 7.1 Precautions for safe handling
  - Store in cool, dry place in tightly closed receptacles.
- 7.2 Information about fire - and explosion protection: No special measures required.
SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

- 8.1 Control parameters
  - Ingredients with limit values that require monitoring at the workplace: Not required.
  - Additional information: Lists used were valid at the time of SDS preparation.

- 8.2 Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      - Keep away from foodstuffs, beverages and feed.
      - Immediately remove all soiled and contaminated clothing
      - Wash hands before breaks and at the end of work.
    - Respiratory protection: Not required.
    - Protection of hands:
      - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
      - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
      - The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374

  Protective gloves

- Material of gloves Butyl rubber, BR
- Penetration time of glove material
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Solid
      - Colour: Light yellow
      - Odour: Odourless
      - Odour threshold: Not determined.
    - pH-value: Not applicable.
Product name: 17alpha-Trenbolone (Epitrenbolone)

- Change in condition
  - Melting point/Melting range: 106 - 109 °C
  - Boiling point/Boiling range: Not determined.

- Flash point: Not applicable.

- Flammability (solid, gaseous): Not determined.

- Ignition temperature:
  - Decomposition temperature: Not determined.
  - Self-igniting: Not determined.
  - Danger of explosion: Not determined.

- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.

- Vapour pressure: Not applicable.

- Density: Not determined.

- Relative density: Not determined.

- Vapour density: Not applicable.

- Evaporation rate: Not applicable.

- Solubility in / Miscibility with:
  - Water: Partly miscible.

- Partition coefficient (n-octanol/water): Not determined.

- Viscosity:
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.

- 9.2 Other information
  - No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity
  - Stable under normal conditions.

- 10.2 Chemical stability
  - Stable under normal conditions.

- Thermal decomposition / conditions to be avoided:
  - Formation of toxic gases is possible during heating or in case of fire.

- 10.3 Possibility of hazardous reactions
  - No dangerous reactions known.

- 10.4 Conditions to avoid
  - Heat.

- 10.5 Incompatible materials:
  - Strong oxidizing agents.

- 10.6 Hazardous decomposition products:
  - Formation of toxic gases is possible during heating or in case of fire.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity
    - Based on available data, the classification criteria are not met.
  - Primary irritant effect:
    - Skin corrosion/irritation
      - Based on available data, the classification criteria are not met.
  - Serious eye damage/irritation
    - Based on available data, the classification criteria are not met.
  - Respiratory or skin sensitisation
    - Based on available data, the classification criteria are not met.
  - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
    - Carc. 2, Repr. 1B

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Product name: 17alpha-Trenbolone (Epitrenbolone)

- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity
  Suspected of causing cancer.
- Reproductive toxicity
  May damage fertility or the unborn child.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  - European waste catalogue
    Waste disposal key numbers from EWC have to be assigned depending on origin and processing.
  - Uncleaned packaging:
    - Recommendation: Dispose of in accordance with national regulations.

SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, ADN, IMDG, IATA Not applicable
- 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA
    - Class Not applicable
- 14.4 Packing group
  - ADR, IMDG, IATA Not applicable
- 14.5 Environmental hazards:
  - Marine pollutant: No
- 14.6 Special precautions for user Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.
SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Philippines Inventory of Chemicals and Chemical Substances Substance is not listed.
- Australian Inventory of Chemical Substances Substance is not listed.
- Standard for the Uniform Scheduling of Medicines and Poisons Substance is not listed.
- National regulations:
  - Other regulations, limitations and prohibitive regulations
    The substance is considered a controlled drug in some countries and needs to be treated according to the applicable regulations.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information in this safety data sheet (SDS) has been prepared with due care and is true and accurate to the best of our knowledge. The user must determine the suitability of the information for its particular purpose, ensure compliance with existing laws and regulations, and be aware that other or additional safety or performance considerations may arise when using, handling and/or storing the material. The information in this SDS does not purport to be all inclusive or a guarantee as to the properties of the material supplied, and should be used only as a guide. LGC makes no warranties or representations as to the accuracy and completeness of the information contained herein, shall not be held responsible for the suitability of this information for the user's intended purposes or the consequences of such use, and shall not be liable for any damage or loss, howsoever arising, direct or otherwise.

Abbreviations and acronyms:
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Carc. 2: Carcinogenicity – Category 2
- Repr. 1B: Reproductive toxicity – Category 1B

Sources