SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Lynestrenol Formulation

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

1.1 Product identifier
   Trade name : Lynestrenol Formulation

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Use of the Substance/Mixture : Pharmaceutical

1.3 Details of the supplier of the safety data sheet
   Company : MSD
              Shotton Lane
              NE23 3JU Cramlington NU - Great Britain
   Telephone : 44 1 670 59 30 00
   Telefax : 908-735-1496
   E-mail address of person responsible for the SDS : EHSDATASTEWARD@msd.com

1.4 Emergency telephone number
   1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Classification (REGULATION (EC) No 1272/2008)
   Germ cell mutagenicity, Category 1B : H340: May cause genetic defects.
   Carcinogenicity, Category 2 : H351: Suspected of causing cancer.
   Reproductive toxicity, Category 1A : H360Fd: May damage fertility. Suspected of damaging the unborn child.
   Specific target organ toxicity - repeated exposure, Category 2 : H373: May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements
   Labelling (REGULATION (EC) No 1272/2008)
   Hazard pictograms :  
   Signal word : Danger
   Hazard statements : H340 May cause genetic defects.
                         H351 Suspected of causing cancer.
                         H360Fd May damage fertility. Suspected of damaging the unborn child.
Lynestrenol Formulation

Precautionary statements:

Prevention:
P201 Obtain special instructions before use.
P260 Do not breathe dust.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:
P405 Store locked up.

Hazardous components which must be listed on the label:
Lynestrenol

Additional Labelling:
EUH208 Contains Tocopherol. May produce an allergic reaction.

2.3 Other hazards:
Dust contact with the eyes can lead to mechanical irritation.
Contact with dust can cause mechanical irritation or drying of the skin.
May form explosive dust-air mixture during processing, handling or other means.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lynestrenol</td>
<td>52-76-6</td>
<td>Acute Tox.4; H302 Muta.1B; H340 Carc.2; H351 Repr.1A; H360Fd STOT RE1; H372</td>
<td>&gt;= 1 - &lt; 10</td>
</tr>
<tr>
<td></td>
<td>200-151-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tocopherol</td>
<td>10191-41-0</td>
<td>Skin Sens.1B; H317</td>
<td>&gt;= 0,1 - &lt; 1</td>
</tr>
<tr>
<td></td>
<td>233-466-0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:
General advice:
In the case of accident or if you feel unwell, seek medical advice immediately.
When symptoms persist or in all cases of doubt seek medical advice.
Lynestrenol Formulation

Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).

If inhaled : If inhaled, remove to fresh air.
Get medical attention.

In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.
Remove contaminated clothing and shoes.
Get medical attention.
Wash clothing before reuse.
Thoroughly clean shoes before reuse.

In case of eye contact : If in eyes, rinse well with water.
Get medical attention if irritation develops and persists.

If swallowed : If swallowed, DO NOT induce vomiting.
Get medical attention.
Rinse mouth thoroughly with water.

4.2 Most important symptoms and effects, both acute and delayed

Risks : May cause genetic defects.
Suspected of causing cancer.
May damage fertility. Suspected of damaging the unborn child.
May cause damage to organs through prolonged or repeated exposure.

Contact with dust can cause mechanical irritation or drying of the skin.
Dust contact with the eyes can lead to mechanical irritation.
May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray
Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing media : None known.
# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Lynestrenol Formulation

<table>
<thead>
<tr>
<th>Version</th>
<th>Revision Date</th>
<th>SDS Number</th>
<th>Date of last issue:</th>
<th>Date of first issue:</th>
</tr>
</thead>
</table>

### 5.2 Special hazards arising from the substance or mixture

**Specific hazards during firefighting:**
Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.

**Hazardous combustion products:**
Carbon oxides

### 5.3 Advice for firefighters

**Special protective equipment for firefighters:**
In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

**Specific extinguishing methods:**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions:**
Use personal protective equipment.
Follow safe handling advice and personal protective equipment recommendations.

#### 6.2 Environmental precautions

**Environmental precautions:**
Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

#### 6.3 Methods and material for containment and cleaning up

**Methods for cleaning up:**
Sweep up or vacuum up spillage and collect in suitable container for disposal.
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.
SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures: Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Local/Total ventilation: If sufficient ventilation is unavailable, use with local exhaust ventilation.

Advice on safe handling: Do not get on skin or clothing. Do not breathe dust. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment. Keep container tightly closed. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.

Hygiene measures: If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations.

Advice on common storage: Do not store with the following product types: Strong oxidizing agents Organic peroxides Explosives Gases

7.3 Specific end use(s)

Specific use(s): No data available
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

### Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lynestrenol</td>
<td>52-76-6</td>
<td>TWA</td>
<td>1 µg/m³ (OEB 4)</td>
<td>Internal</td>
</tr>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>TWA (respirable dust)</td>
<td>2 mg/m³</td>
<td>FOR-2011-12-06-1358</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (total dust)</td>
<td>6 mg/m³</td>
<td>FOR-2011-12-06-1358</td>
</tr>
</tbody>
</table>

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>End Use</th>
<th>Exposure routes</th>
<th>Potential health effects</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerine</td>
<td>Workers</td>
<td>Inhalation</td>
<td>Long-term local effects</td>
<td>56 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>Long-term systemic effects</td>
<td>229 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>Long-term local effects</td>
<td>33 mg/m³</td>
</tr>
<tr>
<td>Tocopherol</td>
<td>Workers</td>
<td>Inhalation</td>
<td></td>
<td>44 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Skin contact</td>
<td></td>
<td>125 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td></td>
<td>10,8 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Skin contact</td>
<td></td>
<td>62,5 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td></td>
<td>6,25 mg/kg bw/day</td>
</tr>
</tbody>
</table>

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Environmental Compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerine</td>
<td>Fresh water</td>
<td>0,885 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td>0,0885 mg/l</td>
</tr>
<tr>
<td></td>
<td>Intermittent use/release</td>
<td>8,85 mg/l</td>
</tr>
<tr>
<td></td>
<td>Sewage treatment plant</td>
<td>1000 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fresh water sediment</td>
<td>3,3 mg/kg dry weight (d.w.)</td>
</tr>
<tr>
<td></td>
<td>Marine sediment</td>
<td>0,33 mg/kg dry weight (d.w.)</td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td>0,141 mg/kg dry weight (d.w.)</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

**Engineering measures**

Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., vacuum conveying from a closed system, packout head with inflatable seal from stationary container, ventilated enclosure, etc.).
All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Essentially no open handling permitted. Use closed processing systems or containment technologies.

### Personal protective equipment

**Eye protection**
- Wear safety glasses with side shields or goggles.
- If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.
- Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.

**Hand protection**
- Material: Chemical-resistant gloves
- Remarks: Consider double gloving.

**Skin and body protection**
- Material: Work uniform or laboratory coat.
- Remarks: Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.
- Use appropriate degowning techniques to remove potentially contaminated clothing.

**Respiratory protection**
- If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
- Filter type: Combined particulates and organic vapour type (A-P)

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- **Appearance**: powder
- **Colour**: No data available
- **Odour**: No data available
- **Odour Threshold**: No data available
- **pH**: No data available
- **Melting point/freezing point**: No data available
- **Initial boiling point and boiling range**: No data available
- **Flash point**: Not applicable
- **Evaporation rate**: Not applicable
- **Flammability (solid, gas)**: May form explosive dust-air mixture during processing, handling or other means.
- **Upper explosion limit / Upper flammability limit**: No data available
- **Lower explosion limit / Lower flammability limit**: No data available
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8. Vapour pressure: Not applicable
   Relative vapour density: Not applicable
   Relative density: No data available
   Density: No data available

Solubility(ies)
   Water solubility: No data available
   Partition coefficient: n-octanol/water: Not applicable
   Auto-ignition temperature: No data available
   Decomposition temperature: No data available

9.2 Other information
   Flammability (liquids): No data available
   Particle size: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
   Not classified as a reactivity hazard.

10.2 Chemical stability
   Stable under normal conditions.

10.3 Possibility of hazardous reactions
   Hazardous reactions: May form explosive dust-air mixture during processing, handling or other means.
   Can react with strong oxidizing agents.

10.4 Conditions to avoid
   Conditions to avoid: Heat, flames and sparks.
   Avoid dust formation.

10.5 Incompatible materials
   Materials to avoid: Oxidizing agents

10.6 Hazardous decomposition products
   No hazardous decomposition products are known.
SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure:
- Inhalation
- Skin contact
- Ingestion
- Eye contact

Acute toxicity
Not classified based on available information.

**Product:**
- Acute oral toxicity: Acute toxicity estimate: > 2.000 mg/kg
- Method: Calculation method

**Components:**

**Lynestrenol:**
- Acute oral toxicity: LD50: > 1.000 - 8.000 mg/kg
- Acute toxicity (other routes of administration): LD50 (Mouse): 110 mg/kg
  Application Route: Intraperitoneal

**Tocopherol:**
- Acute oral toxicity: LD50 (Rat): > 4.000 mg/kg
- Acute dermal toxicity: LD50 (Rat): > 3.000 mg/kg
  Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**
Not classified based on available information.

**Components:**

**Tocopherol:**
- Species: Rabbit
- Method: OECD Test Guideline 404
- Result: No skin irritation

**Serious eye damage/eye irritation**
Not classified based on available information.

**Components:**

**Tocopherol:**
- Species: Rabbit
- Method: OECD Test Guideline 405
- Result: No eye irritation
Respiratory or skin sensitisation

Skin sensitisation
Not classified based on available information.

Respiratory sensitisation
Not classified based on available information.

Components:

Tocopherol:
- Test Type: Local lymph node assay (LLNA)
- Exposure routes: Skin contact
- Species: Mouse
- Method: OECD Test Guideline 429
- Result: positive
- Assessment: Probability or evidence of low to moderate skin sensitisation rate in humans

Components:

Lynestrenol:
- Test Type: Chromosome aberration test in vitro
  - Result: positive
  - Test Type: sister chromatid exchange assay
  - Result: positive
- Genotoxicity in vivo: 
  - Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)
    - Species: Mouse
    - Application Route: Intraperitoneal injection
    - Result: positive
  - Test Type: sister chromatid exchange assay
  - Species: Mouse
  - Application Route: Intraperitoneal injection
  - Result: positive
  - Test Type: dominant lethal test
  - Species: Mouse
  - Application Route: Intraperitoneal injection
  - Result: positive

Germ cell mutagenicity - Assessment: Positive result(s) from in vivo somatic cell mutagenicity tests in mammals. Evidence that the substance has potential to cause mutations to germ cells

Tocopherol:
- Genotoxicity in vitro: 
  - Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo:
Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Species: Mouse
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

Carcinogenicity:
Suspected of causing cancer.

Components:

Lynestrenol:
Species: Mouse
Application Route: Oral
Exposure time: 80 weeks
Result: positive
Tumor Type: breast tumors, Liver
Remarks: Benign and malignant tumor(s)

Species: Rat
Application Route: Oral
Exposure time: 80 weeks
Result: positive
Tumor Type: breast tumors

Carcinogenicity - Assessment:
Limited evidence of carcinogenicity in animal studies

Tocopherol:
Species: Rat
Application Route: Ingestion
Exposure time: 104 weeks
Result: negative
Remarks: Based on data from similar materials

Reproductive toxicity:
May damage fertility. Suspected of damaging the unborn child.

Components:

Lynestrenol:
Effects on fertility:
Test Type: Fertility/early embryonic development
Species: Rat, males
Application Route: Oral
Fertility: LOAEL: 20 mg/kg body weight
Remarks: Impaired spermatogenesis

Test Type: Fertility/early embryonic development
Species: Rat, females
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Application Route: Oral
Fertility: LOAEL: 375 µg/kg
Result: Maternal toxicity observed., Effects on fertility

Test Type: Fertility/early embryonic development
Species: Rabbit
Application Route: Oral
Fertility: LOAEL: 1.300 µg/kg
Result: Effects on fertility, Postimplantation loss.

Effects on foetal development:
Test Type: Embryo-foetal development
Species: Rat
Application Route: Oral
Developmental Toxicity: LOAEL: 0.1 mg/kg body weight
Result: Effects on foetal development

Test Type: Embryo-foetal development
Species: Rabbit
Application Route: Oral
Developmental Toxicity: LOAEL: 0.1 mg/kg body weight
Result: Effects on foetal development, Postimplantation loss.

Reproductive toxicity - Assessment:
Some evidence of adverse effects on development, based on animal experiments., Positive evidence of adverse effects on sexual function and fertility from human epidemiological studies.

Tocopherol:
Effects on foetal development:
Test Type: Embryo-foetal development
Species: Rabbit
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
May cause damage to organs through prolonged or repeated exposure.

Components:

Lynestrenol:
Target Organs: Blood, Mammary gland, Uterus (including cervix), Ovary
Assessment: Causes damage to organs through prolonged or repeated exposure.

Repeated dose toxicity
Components:

Tocopherol:
Species: Rat
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Date of first issue: 15.01.2016

NOAEL : 500 mg/kg
Application Route : Ingestion
Exposure time : 90 Days
Remarks : Based on data from similar materials

Aspiration toxicity
Not classified based on available information.

Experience with human exposure

Components:

Lynestrenol:
Ingestion
Target Organs: Uterus (including cervix)
Target Organs: breasts
Target Organs: ovaries
Target Organs: Blood
Symptoms: Headache, Nausea, Abdominal pain, Rash, Dizziness, Tremors, Sweating, Vomiting, migraine, acne, breast tenderness, gynecomastia, menstrual irregularities, ovarian cysts
Remarks: Used to prevent pregnancy

SECTION 12: Ecological information

12.1 Toxicity

Components:

Tocopherol:
Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 23,53 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (green algae)): 25,8 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility

EC50 (Pseudokirchneriella subcapitata (green algae)): > 25,8 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility

Toxicity to microorganisms : EC50 : > 937 mg/l
Exposure time: 30 min
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Method: ISO 8192
Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity):
NOEC: > 100 mg/l
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
Remarks: Based on data from similar materials

12.2 Persistence and degradability

Components:
Tocopherol:
Biodegradability: Result: Not readily biodegradable.
Biodegradation: 20 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not relevant

12.6 Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product: Dispose of in accordance with local regulations.
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.
If not otherwise specified: Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number
Not regulated as a dangerous good

14.2 UN proper shipping name
Not regulated as a dangerous good

14.3 Transport hazard class(es)
Not regulated as a dangerous good
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Version 3.2  
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SDS Number: 462442-00009  
Date of last issue: 24.04.2019  
Date of first issue: 15.01.2016  

14.4 Packing group  
Not regulated as a dangerous good  

14.5 Environmental hazards  
Not regulated as a dangerous good  

14.6 Special precautions for user  
Not applicable  

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code  
Remarks: Not applicable for product as supplied.  

SECTION 15: Regulatory information  

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): Not applicable  
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59): Not applicable  
REACH - List of substances subject to authorisation (Annex XIV): Not applicable  
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: Not applicable  
Regulation (EC) No 850/2004 on persistent organic pollutants: Not applicable  
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable  

Other regulations:  
Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.  
Young people under the age of 18 are not allowed to use or be exposed to the product professionally. Young people above the age of 15 are, however, except from this rule if the product is a necessary part of their education.  

The components of this product are reported in the following inventories:  
AICS: not determined  
DSL: not determined  
IECSC: not determined  

15.2 Chemical safety assessment  
A Chemical Safety Assessment has not been carried out.  

SECTION 16: Other information
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Revision Date: 09/13/2019
SDS Number: 462442-00009
Date of last issue: 24.04.2019
Date of first issue: 15.01.2016

Other information: Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Full text of H-statements

H302: Harmful if swallowed.
H317: May cause an allergic skin reaction.
H340: May cause genetic defects.
H351: Suspected of causing cancer.
H360Fd: May damage fertility. Suspected of damaging the unborn child.
H372: Causes damage to organs through prolonged or repeated exposure.

Full text of other abbreviations

Acute Tox.: Acute toxicity
Carc.: Carcinogenicity
Muta.: Germ cell mutagenicity
Repr.: Reproductive toxicity
Skin Sens.: Skin sensitisation
STOT RE: Specific target organ toxicity - repeated exposure
FOR-2011-12-06-1358: Norway. Occupational Exposure limits
TWA: Long term exposure limit
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
AICS: Australian Inventory of Chemical Substances
ASTM: American Society for the Testing of Materials
bw: Body weight
CLP: Classification Labelling Packaging Regulation
CMR: Carcinogen, Mutagen or Reproductive Toxicant
DIN: Standard of the German Institute for Standardisation
ECHA: European Chemicals Agency
EC Number: European Community number
ECx: Concentration associated with x% response
ELx: Loading rate associated with x% response
EmS: Emergency Schedule
ENCS: Existing and New Chemical Substances (Japan)
EC: European Community number
ECx: Concentration associated with x% growth rate response
GHS: Globally Harmonized System
GLP: Good Laboratory Practice
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IBC: International Code for the Construction andEquipment of Ships carrying Dangerous Chemicals in Bulk
IC50: Half maximal inhibitory concentration
ICAO: International Civil Aviation Organization
IECSC: Inventory of Existing Chemical Substances in China
IMDG: International Maritime Dangerous Goods
IMO: International Maritime Organization
ISHL: Industrial Safety and Health Law (Japan)
ISO: International Organisation for Standardization
KECI: Korea Existing Chemicals Inventory
LC50: Lethal Concentration to 50% of a test population
LD50: Lethal Dose to 50% of a test population
MARPOL: International Convention for the Prevention of Pollution from Ships
n.o.s.: Not Otherwise Specified
NO(A)EC: No Observed (Adverse) Effect Concentration
NO(A)EL: No Observed (Adverse) Effect Level
NOELR: No Observable Effect Loading Rate
NZIoC: New Zealand Inventory of Chemicals
OECD: Organization for Economic Co-operation and Development
OPPTS: Office of Chemical Safety and Pollution Prevention
PBT: Persistent, Bioaccumulative and Toxic substance
PICCS: Philippines Inventory of Chemicals and Chemical Substances
(Q)SAR: (Quantitative) Structure Activity Relationship
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
SADT: Self-Accelerating Decomposition Temperature
SDS: Safety Data Sheet
SVHC: Substance of very high concern
TCSI: Taiwan Chemical
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Lynestrenol Formulation

Version    Revision Date:    SDS Number:    Date of last issue: 24.04.2019
3.2        09/13/2019        462442-00009        Date of first issue: 15.01.2016

Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations;
UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB -
Very Persistent and Very Bioaccumulative

Further information
Sources of key data used to compile the Safety Data Sheet: Internal technical data, data from raw material SDSs, OECD

Classification of the mixture:
Classification procedure:
Muta. 1B   H340          Calculation method
Carc. 2    H351          Calculation method
Repr. 1A   H360Fd       Calculation method
STOT RE 2  H373          Calculation method

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NO / EN