



## Lynestrenol Formulation

Version            Revision Date:            SDS Number:            Date of last issue: 23.03.2020  
2.9                    10.10.2020                449557-00011            Date of first issue: 15.01.2016

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.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification**

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.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture            :    Mixture

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
Starch	9005-25-8	>= 20 -< 30
Lynestrenol	52-76-6	>= 1 -< 10
Talc	14807-96-6	>= 1 -< 10
Glycerine	56-81-5	>= 1 -< 10
Tocopherol	10191-41-0	>= 0.1 -< 1

**4. 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.

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.

Most important symptoms and effects, both acute and    :    May cause genetic defects.  
Suspected of causing cancer.

# SAFETY DATA SHEET



## Lynestrenol Formulation



Version 2.9      Revision Date: 10.10.2020      SDS Number: 449557-00011      Date of last issue: 23.03.2020  
Date of first issue: 15.01.2016

---

delayed      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.

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).

Notes to physician      : Treat symptomatically and supportively.

---

### 5. FIREFIGHTING MEASURES

Suitable extinguishing media      : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media      : None known.

Specific hazards during fire-fighting      : 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

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.

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

---

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures      : Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

Environmental precautions      : Avoid release to the environment.  
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.

Methods and materials for containment and 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 re-

## Lynestrenol Formulation

Version 2.9      Revision Date: 10.10.2020      SDS Number: 449557-00011      Date of last issue: 23.03.2020  
Date of first issue: 15.01.2016

leased 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.

## 7. HANDLING AND STORAGE

- 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.  
Wash skin thoroughly after handling.  
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.  
Do not eat, drink or smoke when using this product.  
Take care to prevent spills, waste and minimize release to the environment.
- Conditions for safe storage : Keep in properly labelled containers.  
Store locked up.  
Keep tightly closed.  
Store in accordance with the particular national regulations.
- Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Starch	9005-25-8	PEL (long term)	10 mg/m <sup>3</sup>	SG OEL
		TWA	10 mg/m <sup>3</sup>	ACGIH
Lynestrenol	52-76-6	TWA	1 µg/m <sup>3</sup> (OEB 4)	Internal
		Wipe limit	10 µg/100 cm <sup>2</sup>	Internal
Talc	14807-96-6	PEL (long term)	2 mg/m <sup>3</sup>	SG OEL

# SAFETY DATA SHEET



## Lynestrenol Formulation



Version 2.9      Revision Date: 10.10.2020      SDS Number: 449557-00011      Date of last issue: 23.03.2020  
Date of first issue: 15.01.2016

		TWA (Respirable particulate matter)	2 mg/m <sup>3</sup>	ACGIH
Glycerine	56-81-5	PEL (long term) (Mist)	10 mg/m <sup>3</sup>	SG OEL

**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

**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

**Hand protection**

**Material** : Chemical-resistant gloves

**Remarks** : Consider double gloving.

**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.

**Skin and body protection** : Work uniform or laboratory coat.  
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.

**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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : powder

# SAFETY DATA SHEET



## Lynestrenol Formulation



Version 2.9      Revision Date: 10.10.2020      SDS Number: 449557-00011      Date of last issue: 23.03.2020  
Date of first issue: 15.01.2016

---

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.
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
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
Viscosity Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Particle size	:	No data available

# SAFETY DATA SHEET



## Lynestrenol Formulation



Version 2.9      Revision Date: 10.10.2020      SDS Number: 449557-00011      Date of last issue: 23.03.2020  
Date of first issue: 15.01.2016

---

### 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : May form explosive dust-air mixture during processing, handling or other means.  
Can react with strong oxidizing agents.  
  
Conditions to avoid : Heat, flames and sparks.  
Avoid dust formation.  
  
Incompatible materials : Oxidizing agents  
Hazardous decomposition products : No hazardous decomposition products are known.

---

### 11. TOXICOLOGICAL INFORMATION

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:**

##### **Starch:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
  
Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

##### **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

##### **Talc:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Remarks: Based on data from similar materials

##### **Glycerine:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
  
Acute dermal toxicity : LD50 (Guinea pig): > 5,000 mg/kg

##### **Tocopherol:**

Acute oral toxicity : LD50 (Rat): > 4,000 mg/kg

## Lynestrenol Formulation

Version 2.9      Revision Date: 10.10.2020      SDS Number: 449557-00011      Date of last issue: 23.03.2020  
Date of first issue: 15.01.2016

---

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:**

##### **Talc:**

Species                                   : Rabbit  
Result                                    : No skin irritation

##### **Glycerine:**

Species                                   : Rabbit  
Result                                    : No skin irritation

##### **Tocopherol:**

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

### **Serious eye damage/eye irritation**

Not classified based on available information.

#### **Components:**

##### **Starch:**

Species                                   : Rabbit  
Result                                    : No eye irritation

##### **Talc:**

Species                                   : Rabbit  
Result                                    : No eye irritation

##### **Glycerine:**

Species                                   : Rabbit  
Result                                    : No eye irritation

##### **Tocopherol:**

Species                                   : Rabbit  
Result                                    : No eye irritation  
Method                                  : OECD Test Guideline 405

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.



## Lynestrenol Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 23.03.2020
2.9	10.10.2020	449557-00011	Date of first issue: 15.01.2016

---

**Respiratory sensitisation**

Not classified based on available information.

**Components:****Starch:**

Test Type	:	Maximisation Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Result	:	negative

**Talc:**

Exposure routes	:	Skin contact
Species	:	Humans
Result	:	negative

**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
------------	---	--

**Germ cell mutagenicity**

May cause genetic defects.

**Components:****Starch:**

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
-----------------------	---	--

**Lynestrenol:**

Genotoxicity in vitro	:	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
--	---	--

## Lynestrenol Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 23.03.2020
2.9	10.10.2020	449557-00011	Date of first issue: 15.01.2016

---

Test Type: dominant lethal test  
 Species: Mouse  
 Application Route: Intraperitoneal  
 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

**Talc:**

Genotoxicity in vitro : Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)  
 Result: negative

Genotoxicity in vivo : Test Type: Chromosome aberration test in vitro  
 Species: Rat  
 Application Route: Ingestion  
 Result: negative

**Glycerine:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
 Result: negative

Test Type: Bacterial reverse mutation assay (AMES)  
 Result: negative

Test Type: Chromosome aberration test in vitro  
 Result: negative

Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)  
 Result: negative

**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.

## Lynestrenol Formulation

Version            Revision Date:            SDS Number:            Date of last issue: 23.03.2020  
2.9                    10.10.2020                449557-00011            Date of first issue: 15.01.2016

---

**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

**Talc:**

Species                                : Mouse  
Application Route                    : inhalation (dust/mist/fume)  
Exposure time                        : 2 Years  
Result                                    : negative

**Glycerine:**

Species                                : Rat  
Application Route                    : Ingestion  
Exposure time                        : 2 Years  
Result                                    : negative

**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  
Application Route: Oral

## Lynestrenol Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 23.03.2020
2.9	10.10.2020	449557-00011	Date of first issue: 15.01.2016

---

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.

**Talc:**

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative

**Glycerine:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative

**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.



## Lynestrenol Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 23.03.2020
2.9	10.10.2020	449557-00011	Date of first issue: 15.01.2016

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

**12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Talc:**

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 100,000 mg/l  
 Exposure time: 24 h

**Glycerine:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l  
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,955 mg/l  
 Exposure time: 48 h

Toxicity to microorganisms : NOEC (Pseudomonas putida): > 10,000 mg/l  
 Exposure time: 16 h  
 Method: DIN 38 412 Part 8

**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

# SAFETY DATA SHEET



## Lynestrenol Formulation



Version 2.9      Revision Date: 10.10.2020      SDS Number: 449557-00011      Date of last issue: 23.03.2020  
Date of first issue: 15.01.2016

---

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

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

### Persistence and degradability

#### Components:

##### **Glycerine:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 92 %  
Exposure time: 30 d  
Method: OECD Test Guideline 301D

##### **Tocopherol:**

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

### Bioaccumulative potential

#### Components:

##### **Glycerine:**

Partition coefficient: n-octanol/water : log Pow: -1.75

##### **Mobility in soil**

No data available

##### **Other adverse effects**

No data available

---

## 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.  
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.

---

## 14. TRANSPORT INFORMATION

### **International Regulations**

**UNRTDG**

# SAFETY DATA SHEET



## Lynestrenol Formulation



Version 2.9      Revision Date: 10.10.2020      SDS Number: 449557-00011      Date of last issue: 23.03.2020  
Date of first issue: 15.01.2016

---

Not regulated as a dangerous good

### **IATA-DGR**

Not regulated as a dangerous good

### **IMDG-Code**

Not regulated as a dangerous good

### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

---

## 15. REGULATORY INFORMATION

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.**

Environmental Protection and Management Act and : Not applicable  
Environmental Protection and Management (Hazardous Substances) Regulations

Fire Safety (Petroleum and Flammable Materials) : Not applicable  
Regulations

### **The components of this product are reported in the following inventories:**

AICS : not determined

DSL : not determined

IECSC : not determined

---

## 16. OTHER INFORMATION

### **Further information**

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Date format : dd.mm.yyyy

### **Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
SG OEL : Singapore. Workplace Safety and Health Act - First Schedule Permissible Exposure Limits of Toxic Substances

ACGIH / TWA : 8-hour, time-weighted average  
SG OEL / PEL (long term) : Permissible Exposure Level (PEL) Long Term

AIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -



# SAFETY DATA SHEET



## Lynestrenol Formulation



Version	Revision Date:	SDS Number:	Date of last issue: 23.03.2020
2.9	10.10.2020	449557-00011	Date of first issue: 15.01.2016

---

Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; 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 and Equipment 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 (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

SG / EN