

Safety Data Sheet
BioEstolide 250

Version 1.0

Revision Date: 01/19/2023

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Product name** : BioEstolide 250**Recommended use of the chemical and restrictions on use**

Recommended use : Base Oil

Manufacturer or supplier's details**Company** : Univar Solutions Brasil Ltda**Address** : Rua Arinos, 15
Parque Industrial Anhanguera – CEP: 06276-032
Brazil**Emergency telephone number** : (19) 3874-7000 e Ambipar 0800 117 2020**Additional Information:** : Phone: (19) 3874-7000
Fax: (19) 3874-7004
Email: ehsbrasil@univarsolutions.com**SECTION 2. HAZARDS IDENTIFICATION****Classification according to GHS BR (ABNT NBR 14725-2)**

Not a hazardous substance or mixture.

GHS label elements in accordance with ABNT NBR 14725 Standard

Not a hazardous substance or mixture.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance / Mixture** : Pure substance
Substance name : Octadecanoic acid, 12-hydroxy-, homopolymer, 2-ethylhexyl ester, acetate**CAS-No.** : 2361055-93-6**Components**

No hazardous ingredients

Synonyms : Octadecanoic acid, 12-hydroxy-, homopolymer, 2-ethylhexyl ester, acetate,**SECTION 4. FIRST AID MEASURES****General advice** : Do not leave the victim unattended.
If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

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In case of skin contact	: Wash off with soap and water. If skin irritation persists, call a physician.
In case of eye contact	: Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	: None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Carbon dioxide (CO2) Foam Dry powder Water mist
Unsuitable extinguishing media	: High volume water jet
Hazardous combustion products	: No hazardous combustion products are known
Specific extinguishing methods	: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up	: Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.
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SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Normal measures for preventive fire protection.
Advice on safe handling	: For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Hygiene measures	: General industrial hygiene practice.
Conditions for safe storage	: Electrical installations / working materials must comply with the technological safety standards.
Materials to avoid	: No materials to be especially mentioned.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection	:	No personal respiratory protective equipment normally required. In the case of vapour formation use a respirator with an approved filter.
Eye protection	:	Safety glasses
Skin and body protection	:	Protective suit

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	light yellow, transparent
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	No data available
Freezing Point (Pour point)	:	-21 °C (-6 °F)
Boiling Point	:	No data available
Flash point	:	> 260 °C (500 °F) Method: open cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	0.92 @ 20 °C (68 °F) Reference substance: (water = 1)
Density	:	No data available
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity	:	
Viscosity, kinematic	:	150.5 mm ² /s

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	: No data available

SECTION 11. TOXICOLOGICAL INFORMATION**Further information****Product:**

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.

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Contaminated packaging : Comply with the applicable regulations for the disposal of solid waste. Disposal should be carried out in accordance with official legislation.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

National Regulations

ANTT

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. INFORMATION ABOUT REGULATIONS

Specific regulations for the chemical product: : Brazilian local regulations: ABNT NBR 14725 Standard Federal Decree No. 2.657, of July 3, 1998 – Promulgates ILO Convention No. 170, on Safety in the Use of Chemicals at Work, signed in Geneva, on June 25, 1990. Ordinance No. 229, of May 24, 2011 - Amends Regulatory Standard No. 26 Resolution No. 5232, of December 14, 2016 - Approves the Supplementary Instructions to the Land Regulations for the Transport of Dangerous Goods, and makes other provisions.

SECTION 16. OTHER INFORMATION

Further information

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Material number:

16198225, 16201880, 16137918, 16137919, 16137684

Other information : This MSDS was prepared based on current knowledge on the proper handling of the product and under normal conditions of use, according to the application specified on the packaging. Any other form of use of the product that involves its combination with other materials, in addition to forms of use other than those indicated, are the responsibility of the user. It is cautioned that the handling of any quantum substance requires prior knowledge of its dangers by the user. In the

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workplace, it is up to the company that uses the product to promote the training of its employees regarding the possible risks arising from exposure to the chemical product.

Full text of other abbreviations

AIIC - 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 - 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; TECI - Thailand Existing Chemicals 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; WHMIS - Workplace Hazardous Materials Information System

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