

SAFETY DATA SHEET

Selovin LA



Version 2.0 Revision Date: 15.01.2019 SDS Number: 122000008235 Date of last issue: 01.12.2011
Date of first issue: 01.12.2011

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

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HSNO Approval Number : HSR002380

ACVM number : A009509

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Veterinary medicine

1.3 Details of the supplier of the safety data sheet

Company

Bayer New Zealand Limited
3 Argus Place
0627 HILLCREST, AUCKLAND, NEW ZEALAND
NEW ZEALAND
Tel.: 0800 652 488
Fax: 0800 229 838
Mail: bhc-md-oeko@bayer.com

1.4 Emergency telephone number

In case of emergency: 0800 734 607 IXOM SH&E Shared services (24hr)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

6.1: Acute toxicity (Oral) : Category E

6.1: Acute toxicity (Dermal) : Category E

6.4: Eye irritation : Category A

6.6: Germ cell mutagenicity : Category B

6.9: Specific Target Organ Toxicity : Category A

9.1: Aquatic toxicity (Acute or Chronic) : Category B

9.2: Ecotoxic to soil environment : Category B

GHS label elements

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- Hazard pictograms :
- Signal word : Danger
- Hazard statements : H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H372 Causes damage to organs through prolonged or repeated exposure if swallowed.
H411 Toxic to aquatic life with long lasting effects.
H422 Toxic to the soil environment.
- Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
White mineral oil (petroleum), viscosity >20,5 mm ² /s	8042-47-5	>= 50 -< 70
Barium selenate	7787-41-9	>= 10 -< 20
Glycerol monostearate	31566-31-1	>= 10 -< 20
Benzyl alcohol	100-51-6	>= 1 -< 2,5

SECTION 4. FIRST AID MEASURES

- General advice : Take off all contaminated clothing immediately.
You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (0800 POISON) (24hr emergency service).
- If inhaled : Remove to fresh air.
Call a physician immediately.

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- In case of skin contact : After contact with skin, wash immediately with plenty of soap and water.
If skin reactions occur, contact a physician.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.
- Most important symptoms and effects, both acute and delayed : No information available.
No information available.
- Notes to physician : No information available.
-

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Fire may cause evolution of:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
- Specific extinguishing methods : Prevent fire extinguishing water from contaminating surface water or the ground water system.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
No special precautions required.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Cover spilled product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labeled, closable containers.
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SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : The product is not flammable.
- Advice on safe handling : Avoid formation of aerosol.
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Use with local exhaust ventilation.
 Avoid contact with skin, eyes and clothing.

Conditions for safe storage : For storage suitable stores with adequate product-reception volume must be used.
 During handling local official regulations must be observed in order to avert impairment of water by the product.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
White mineral oil (petroleum), viscosity >20,5 mm ² /s	8042-47-5	WES-TWA (Mist)	5 mg/m ³	NZ OEL
	Further information: Sampled by a method that does not collect vapour.			
		WES-STEL (Mist)	10 mg/m ³	NZ OEL
		TWA (Inhalable fraction)	5 mg/m ³	ACGIH
Barium selenate	7787-41-9	WES-TWA	0,1 mg/m ³ (selenium)	NZ OEL
		TWA	0,2 mg/m ³ (selenium)	ACGIH
Glycerol monostearate	31566-31-1	WES-TWA	10 mg/m ³	NZ OEL
		TWA	10 mg/m ³	ACGIH

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection
 Material : Hand protection: protective gloves for chemicals made of Baypren, nitrile rubber or PVC wear

Remarks : Breakthrough time not tested; dispose of immediately after contamination. Advice: The gloves should not be reused.

Eye protection : Safety glasses

Protective measures : Wear suitable protective equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
 Auto-ignition temperature : No data available
 Decomposition temperature : No data available

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Explosive properties : No statements available.
Oxidizing properties : No data available
Impact sensitivity : No data available
Minimum ignition energy : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available
Chemical stability : No data available
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : Oxidizing agents
Hazardous decomposition products : Carbon monoxide (CO)
 : Carbon dioxide (CO₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate (ATE): 563,5 mg/kg
 : Acute toxicity estimate (ATE): 2.582 mg/kg
 : Method: Calculation method
Acute inhalation toxicity : Acute toxicity estimate (ATE): 2,81 mg/l
 : Acute toxicity estimate (ATE): 4,68 mg/l
 : Exposure time: 4 h
 : Test atmosphere: dust/mist/aerosol
 : Method: Calculation method
Acute dermal toxicity : Acute toxicity estimate (ATE): 2.635 mg/kg
 : Method: Calculation method

Components:

White mineral oil (petroleum), viscosity >20,5 mm²/s:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg
 : Method: OECD 401
 : Assessment: No adverse effect has been observed in acute
 : toxicity tests.
Acute inhalation toxicity : LC50 (Rat): > 5 mg/l

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Exposure time: 4 h
Test atmosphere: dust/mist/aerosol
Method: OECD 403
Assessment: The component/mixture is minimally toxic after short term inhalation.

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
Method: OECD 402
Assessment: The component/mixture is minimally toxic after single contact with skin.

Barium selenate:

Acute oral toxicity : Assessment: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity : Assessment: The component/mixture is highly toxic after short term inhalation.

Glycerol monostearate:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

Benzyl alcohol:

Acute oral toxicity : LD50 (Rat, male): 1.620 mg/kg
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : Assessment: The component/mixture is moderately toxic after short term inhalation.

Skin corrosion/irritation

Components:

White mineral oil (petroleum), viscosity >20,5 mm²/s:

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

Benzyl alcohol:

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

Serious eye damage/eye irritation

Components:

White mineral oil (petroleum), viscosity >20,5 mm²/s:

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

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Benzyl alcohol:

Species: Rabbit
Result: Irritation to eyes, reversing within 7 days
Method: OECD 405

Respiratory or skin sensitisation

Components:

White mineral oil (petroleum), viscosity >20,5 mm²/s:

Species: Guinea pig
Method: OECD 406
Result: Did not cause sensitisation on laboratory animals.

Benzyl alcohol:

Species: Guinea pig
Method: Magnusson and Kligmann maximization test
Result: Did not cause sensitisation on laboratory animals.

Chronic toxicity

Germ cell mutagenicity

Components:

White mineral oil (petroleum), viscosity >20,5 mm²/s:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Method: OECD 471
Result: No indication of mutagenic effects.

Benzyl alcohol:

Genotoxicity in vitro : Test Type: Ames test
Result: negative

Genotoxicity in vivo : Result: No indication of mutagenic effects.

Reproductive toxicity

Components:

White mineral oil (petroleum), viscosity >20,5 mm²/s:

Effects on fertility : Species: Rat
Application Route: Oral
General Toxicity F1: NOAEL: > 4.350 mg/kg
Result: Animal studies have produced no evidence of toxic effects on reproduction.

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STOT - single exposure

Components:

Benzyl alcohol:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Components:

Barium selenate:

Assessment: May cause damage to the blood system through prolonged or repeated exposure.

Benzyl alcohol:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

White mineral oil (petroleum), viscosity >20,5 mm²/s:

Species: Rabbit
NOAEL: 1.000 mg/kg
Application Route: Skin
Method: OECD Test Guideline 410

Benzyl alcohol:

Species: Rat
NOAEL: 400 mg/kg
Exposure time: 90-day

Further information

Components:

White mineral oil (petroleum), viscosity >20,5 mm²/s:

Remarks: Aspiration of mineral oil dust may cause lipoid pneumonia.

Benzyl alcohol:

Remarks: Dermal absorption possible

Remarks: If inhaled:
irritations
Shortness of breath
Cough

Remarks: If swallowed
Vomiting
Nausea

Irritation of mucous membranes in the mouth, throat, gullet and gastro-intestinal tract after swal-

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lowing.

Remarks: Systemic toxicity
Headache
Nausea
CNS disorders
Ataxia (uncontrolled movements)
Unconsciousness
cessation of breathing

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

White mineral oil (petroleum), viscosity >20,5 mm²/s:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 1.000 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity
Method: OECD 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): > 100 mg/l
Exposure time: 48 h
Method: OECD 202

Toxicity to algae : NOEL (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
Exposure time:
Method: OECD 201

Ecotoxicology Assessment

Acute aquatic toxicity : slightly water endangering

Barium selenate:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Benzyl alcohol:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 10 mg/l
Exposure time: 96 h
Test Type: Acute Fish toxicity

Toxicity to microorganisms : EC50 (Photobacterium phosphoreum): 71,4 mg/l
Exposure time: 0,5 h

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

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Persistence and degradability

Components:

White mineral oil (petroleum), viscosity >20,5 mm²/s:

Biodegradability : Result: Partially biodegradable.
Biodegradation: > 31,3 %
Exposure time: 28 d
Method: OECD 301F

Benzyl alcohol:

Biodegradability : Result: rapidly biodegradable
Biodegradation: 92 - 96 %
Exposure time: 28 d
Method: OECD 301 C

Bioaccumulative potential

Components:

Glycerol monostearate:

Partition coefficient: n-octanol/water : Remarks: No data available

Benzyl alcohol:

Partition coefficient: n-octanol/water : log Pow: 1,05

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : Do not allow to enter surface waters or groundwater.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Contaminated, empty containers are to be treated in the same way as the contents.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

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UN/ID No. : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BARIUMSELENATE)
Class : 9
Packing group : III
Labels : 9
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964
Environmentally hazardous : yes

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BARIUMSELENATE)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : no

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

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

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

HSNO Approval Number

HSR002380

HSNO Controls

Approved handler certificate not required.

HSNO tracking not required.

Refer to EPA user guide to the HSNO control regulations for further information.

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

NZIoC : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; 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; CPR - Controlled Products Regulations; 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% re-

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sponse; 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

Date format : dd.mm.yyyy

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA : 8-hour, time-weighted average
NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average
NZ OEL / WES-STEL : Workplace Exposure Standard - Short-Term Exposure Limit

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN