

Selovin LA

Version 1.0

Revision Date 01.12.2011

Print Date 01.12.2011

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Selovin LA

Company

Bayer New Zealand Limited
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NEW ZEALAND

Tel.: 0800 652 488

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In case of emergency: 0800 734 607 Orica SH&E Shared services (24hr)**2. HAZARDS IDENTIFICATION****Classification according to national GHS implementation:**

Acute toxicity, Oral, Category 4 (H302)

Acute toxicity, Inhalation, Category 4 (H332)

Specific target organ toxicity - single exposure, Category 2 (H371)

Hazardous to the aquatic environment, Acute Category 2 (H401)

Hazardous to the aquatic environment, Chronic Category 2 (H411)

Labelling according to national GHS implementation:

Warning

Hazard statements:

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H371 May cause damage to organs.

H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements:

Prevention:

P264 Wash hands and face thoroughly after handling.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P273 Avoid release to the environment.

Response:

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/ physician.

P391 Collect spillage.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous components**

Barium selenate

Concentration [Weight percent] $\geq 10 - \leq 100$

CAS-No.: 7787-41-9

CAS name: Selenic acid, barium salt

EINECS-No.: 232-113-8

Index-No.: 034-002-00-8

GHS Classification: Acute Tox. 3 H331 Acute Tox. 3 H301 STOT RE 2 H373 Aquatic Acute 1

H400 Aquatic Chronic 1 H410

Benzyl Alcohol

Concentration [Weight percent] $\geq 1 - \leq 10$

CAS-No.: 100-51-6

CAS name: Benzenemethanol

EINECS-No.: 202-859-9

Index-No.: 603-057-00-5

GHS Classification: Acute Tox. 4 H332 Acute Tox. 4 H302

For the full text of the H+R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES**General advice:** Take off all contaminated clothing immediately.**If inhaled:** Remove to fresh air. Call a physician immediately.**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.



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If swallowed: If swallowed, seek medical advice immediately and show this container or label.

5. FIRE-FIGHTING 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 Carbon dioxide (CO₂)

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

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Cover spilt product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labelled, closable containers.

Additional advice: Keep away from/remove sources of ignition.

7. HANDLING AND STORAGE**Handling:**

Avoid formation of aerosol. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

The product is not flammable.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:



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

Hand protection:

Hand protection: protective gloves for chemicals made of Baypren, nitrile rubber or PVC wear
Breakthrough time not tested; dispose of immediately after contamination. Advice: The gloves should not be reused.

Eye protection:

Safety glasses

Other protective measures:

Wear suitable protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid
Density: no data available

Vapour pressure: no data available
Viscosity, dynamic: no data available
Miscibility with water: no data available
pH: no data available
Partition coefficient (n-octanol/water): no data available

Flash point:		
Benzyl Alcohol	101 °C	DIN 51758
Ignition temperature:	not determined	
Explosion limits:		
Benzyl Alcohol	upper: 13 %(V) lower: 1,3 %(V)	

10. STABILITY AND REACTIVITY

Conditions to avoid: no data available

Materials to avoid: no data available

Hazardous reactions: None known.

Thermal decomposition:

no data available

Hazardous decomposition products:

Carbon monoxide, Carbon dioxide (CO₂)



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11. TOXICOLOGICAL INFORMATION**Other information on toxicity:**

Benzyl Alcohol
Dermal absorption possible

If inhaled: irritations, Shortness of breath, Cough

If swallowed: Vomiting, Nausea, Irritation of mucous membranes in the mouth, throat, gullet and gastro-intestinal tract following swallowing

Systemic toxicity headaches, Nausea, CNS disorders, Convulsions, Unconsciousness, cessation of breathing

Acute oral toxicity:

Acute toxicity estimate (ATE) 563,5 mg/kg

Acute inhalation toxicity:

Acute toxicity estimate (ATE) 2,81 mg/l

Skin irritation:

Benzyl Alcohol
rabbit
Result: non-irritant

Eye irritation:

Benzyl Alcohol
rabbit
Result: Mild eye irritation

Genotoxicity in vitro:

Benzyl Alcohol
Ames test
Result: negative

12. ECOLOGICAL INFORMATION**General advice:**

Do not allow to enter surface waters or groundwater.

Toxicity to fish:

Benzyl Alcohol
Acute Fish toxicity: LC50 10 mg/l
Test species: Lepomis macrochirus (Bluegill) Duration of test: 96 h

Toxicity to daphnia and other aquatic invertebrates.:

Benzyl Alcohol
EC50 400 mg/l
Test species: Daphnia magna (Water flea) Duration of test: 24 h



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Toxicity to bacteria:

Benzyl Alcohol

EC50 71,4 mg/l

Test species: Photobacterium phosphoreum

Duration of test: 0,5 h

13. DISPOSAL CONSIDERATIONS

Transport to suitable incinerator with reduced non-air emission.

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

14. TRANSPORT INFORMATION**ADR/RID**

UN Number : 3082
 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
 N.O.S.
 (BARIUMSELENATE)
 Packaging group : III
 Hazard identification No : 90
 Dangerous goods labels : 9

ADNR

UN Number : 3082
 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
 N.O.S.
 (BARIUMSELENATE)
 Packaging group : III
 Hazard identification No : 90
 Dangerous goods labels : 9

IATA

UN Number : 3082
 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
 N.O.S.
 (BARIUM SELENATE)
 Class : 9
 Packaging group : III
 Dangerous goods labels : 9
 Packing instruction (cargo aircraft) : 964
 Packing instruction (passenger aircraft) : 964

IMDG

UN Number : 3082
 Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
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Class : 9
Packaging group : III
IMDG-Labels : 9
Marine pollutant : yes

Limited quantity regulations applicable in accordance with chapter 3.4 RID/ADR in compliance with threshold value.

Other information : Keep separated from foodstuffs

15. REGULATORY INFORMATION**National legislation****ACVM number:** A009509**16. OTHER INFORMATION****Full text of H-Statements mentioned in chapters 2 and 3**

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H371 May cause damage to organs.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H401 Toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Source: supplier's Safety Data Sheet BOMAC

Further information

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.