



# SAFETY DATA SHEET

Version: 4.0

Revision Date: 25.05.2020

Print Date: 25/10/2022

Conforms to EU Regulation 1907/2006/EC as amended. - SDSGHS\_HU

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

### 1.1 Product identifier

Trade name : No data available

Product code : 797171

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

Recommended use : Coatings

### 1.3 Details of the supplier of the safety data sheet

Ellis Enterprises B.V., an affiliate of Valvoline  
Wieldrechtseweg 39  
3316 BG Dordrecht  
Netherlands  
+31 (0)78 654 3500 (in the Netherlands), or  
contact your local CSR contact person

SDS@valvoline.com

### 1.4 Emergency telephone number

+1-800-VALVOLUME (+1-800-825-8654), or  
contact your local emergency telephone number at  
+36 80 201 199

### Product Information

+31 (0)78 654 3500 (in the Netherlands), or  
contact your local CSR contact person

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1

H317: May cause an allergic skin reaction.

### 2.2 Label elements

UFI : TN24-5CTT-C00Q-FSAT

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :





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Signal word	:	Warning	
Hazard statements	:	H317	May cause an allergic skin reaction.
Precautionary statements	:	<b>Prevention:</b> P280 P272 P261 <b>Response:</b> P362 + P364 P333 + P313 <b>Disposal:</b> P501	Wear protective gloves. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/ attention. Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

Propylene glykol alkyl phenyl ether  
1,2-Benzisothiazol-3(2H)-one  
2-Methyl-2H-isothiazol-3-one

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Additional advice

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : dispersion

### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
1-butoxypropan-2-ol	5131-66-8 225-878-4	Flam. Liq.3; H226 Skin Irrit.2; H315 Eye Irrit.2; H319	>= 1,00 - < 2,50
barium bis(dinonylnaphthalene	25619-56-1	Acute Tox.4; H302 Acute Tox.4; H332	>= 1,00 - < 2,50



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sulphonate)		Skin Irrit.2; H315	
Propylene glykol alkyl phenyl ether	9064-13-5	Skin Sens.1; H317	>= 1,00 - < 2,50
2-dimethylaminoethanol	108-01-0 203-542-8 01-2119492298-24-xxxx	Flam. Liq.3; H226 Acute Tox.4; H302 Acute Tox.3; H331 Acute Tox.4; H312 Skin Corr.1B; H314 Eye Dam.1; H318 STOT SE3; H335	>= 0,50 - < 1,00
1,2-Benzisothiazol-3(2H)-one	2634-33-5 220-120-9	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318 Skin Sens.1; H317 Aquatic Acute1; H400	>= 0,0025 - < 0,025
2-Methyl-2H-isothiazol-3-one	2682-20-4 220-239-6	Acute Tox.3; H301 Acute Tox.2; H330 Acute Tox.3; H311 Skin Corr.1B; H314 Eye Dam.1; H318 Skin Sens.1A; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,0002 - < 0,0015

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.  
If on skin, rinse well with water.  
Wash contaminated clothing before re-use.



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In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.

If swallowed : Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No symptoms known or expected.

Risks : May cause an allergic skin reaction.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No hazards which require special first aid measures.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : carbon dioxide and carbon monoxide

### 5.3 Advice for firefighters

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

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Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

Further information : Standard procedure for chemical fires.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.  
Comply with all applicable federal, state, and local regulations.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.

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

Methods for cleaning up : Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.  
Do not smoke.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Container hazardous when empty.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
Smoking, eating and drinking should be prohibited in the application area.  
For personal protection see section 8.  
Dispose of rinse water in accordance with local and national regulations.

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Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Other data : No decomposition if stored and applied as directed.

## 7.3 Specific end use(s)

Specific use(s) : No data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

#### Personal protective equipment

Eye protection : Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Hand protection

Remarks : butyl-rubber Nitrile rubber

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Wear as appropriate:  
Impervious clothing  
Safety shoes  
Choose body protection according to the amount and



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concentration of the dangerous substance at the work place.  
Discard gloves that show tears, pinholes, or signs of wear.

Respiratory protection : No personal respiratory protective equipment normally required.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : white, translucent

Odour : No data available

Odour Threshold : No data available

pH : ca. 9,7 (20 °C)

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

: No data available

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : ca. 1,02 g/cm<sup>3</sup> (20 °C)



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Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: ca. 130 mPa.s (20 °C)
Viscosity, kinematic	: No data available
Oxidizing properties	: No data available

## 9.2 Other information

Self-ignition	: does not ignite
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	: Product will not undergo hazardous polymerization.
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### 10.4 Conditions to avoid

Conditions to avoid	: Do not allow evaporation to dryness. Exposure to air or moisture over prolonged periods.
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### 10.5 Incompatible materials

Materials to avoid	: strong alkalis salts of strong bases Reducing agents Oxidizing agents mercaptans Chlorine chlorates
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Bases  
Ammonia  
Amines  
Acids

## 10.6 Hazardous decomposition products

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  
Eye Contact  
Ingestion

#### Acute toxicity

Not classified based on available information.

#### Product:

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

Acute inhalation toxicity : Acute toxicity estimate : > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

#### Components:

##### PROPYLENE GLYCOL MONOBUTYL ETHER:

Acute oral toxicity : LD50 (Rat): 2.500 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 651 ppm  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes



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Assessment: No adverse effect has been observed in acute dermal toxicity tests.

## Components:

### **Barium alkyl naphthalenesulfonate:**

Acute oral toxicity : Assessment: The component/mixture is classified as acute oral toxicity, category 4.

Acute inhalation toxicity : Assessment: The component/mixture is classified as acute inhalation toxicity, category 4.

## Components:

### **Propylene glykol alkyl phenyl ether:**

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

## Components:

### **DIMETHYLETHANOLAMINE:**

Acute oral toxicity : LD50 (Rat): 1.182,7 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 1641 ppm  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): 1.370 mg/kg

## Components:

### **1,2-BENZISOTHIAZOL-3(2H)-ONE:**

Acute oral toxicity : LD50 (Rat, male): 670 mg/kg  
LD50 (Rat, female): 784 mg/kg

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

## Components:

### **2-METHYL-4-ISOTHIAZOLIN-3-ONE:**

Acute oral toxicity : LD50 (Rat, female): 120 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0,11 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403



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Acute dermal toxicity : LD50 (Rabbit): 242 mg/kg  
Method: OECD Test Guideline 402

### Skin corrosion/irritation

Not classified based on available information.

### Product:

Remarks: May cause skin irritation in susceptible persons.

### Components:

#### PROPYLENE GLYCOL MONOBUTYL ETHER:

Result: Irritating to skin.

#### Barium alkyl naphthalenesulfonate:

Species: Rabbit

Result: Skin irritation

#### DIMETHYLETHANOLAMINE:

Result: Corrosive to skin

#### 1,2-BENZISOTHIAZOL-3(2H)-ONE:

Result: Irritating to skin.

#### 2-METHYL-4-ISOTHIAZOLIN-3-ONE:

Species: Rabbit

Method: OECD Test Guideline 404

Result: Corrosive after 3 minutes to 1 hour of exposure

### Serious eye damage/eye irritation

Not classified based on available information.

### Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

### Components:

#### PROPYLENE GLYCOL MONOBUTYL ETHER:

Result: Irritating to eyes.

#### Barium alkyl naphthalenesulfonate:

Species: Rabbit

Result: Slight, transient irritation

#### DIMETHYLETHANOLAMINE:

Result: Corrosive



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## 1,2-BENZISOTHIAZOL-3(2H)-ONE:

Result: **Corrosive**

## 2-METHYL-4-ISOTHIAZOLIN-3-ONE:

Result: **Corrosive**

### Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

### Product:

Remarks: May cause allergic skin reaction.

### Components:

#### PROPYLENE GLYCOL MONOBUTYL ETHER:

Species: **Guinea pig**

Assessment: **Did not cause sensitisation on laboratory animals.**

Method: **OECD Test Guideline 406**

#### Barium alkyl naphthalenesulfonate:

Test Type: **Buehler Test**

Species: **Guinea pig**

Assessment: **Does not cause skin sensitisation.**

#### Propylene glykol alkyl phenyl ether:

Species: **Mouse**

Assessment: **May cause sensitisation by skin contact.**

#### DIMETHYLETHANOLAMINE:

Test Type: **Buehler Test**

Assessment: **Did not cause sensitisation on laboratory animals.**

## 1,2-BENZISOTHIAZOL-3(2H)-ONE:

Assessment: **May cause sensitisation by skin contact.**

## 2-METHYL-4-ISOTHIAZOLIN-3-ONE:

Species: **Guinea pig**

Assessment: **The product is a skin sensitiser, sub-category 1A.**

Method: **OECD Test Guideline 406**

### Germ cell mutagenicity

Not classified based on available information.

### Components:

#### PROPYLENE GLYCOL MONOBUTYL ETHER:



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Genotoxicity in vitro : Test Type: **Ames test**  
Test species: **Salmonella typhimurium**  
Metabolic activation: **with and without metabolic activation**  
Method: **OECD Test Guideline 471**  
Result: **negative**

#### **Barium alkylnaphthalenesulfonate:**

Genotoxicity in vitro : Test Type: **Ames test**  
Test species: **Salmonella typhimurium**  
Metabolic activation: **with and without metabolic activation**  
Result: **negative**

#### **DIMETHYLETHANOLAMINE:**

Genotoxicity in vitro : Test Type: **sister chromatid exchange assay**  
Test species: **Chinese hamster ovary cells**  
Metabolic activation: **with and without metabolic activation**  
Method: **OECD Test Guideline 479**  
Result: **negative**

: Test Type: **Ames test**  
Metabolic activation: **with and without metabolic activation**  
Method: **OECD Test Guideline 471**  
Result: **negative**

Genotoxicity in vivo : Test Type: **Micronucleus test**  
Test species: **Mouse (male and female)**  
Application Route: **Intraperitoneal injection**  
Method: **OECD Test Guideline 474**  
Result: **negative**

#### **Carcinogenicity**

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### **STOT - single exposure**

Not classified based on available information.

#### **Components:**

#### **DIMETHYLETHANOLAMINE:**

Assessment: **May cause respiratory irritation.**

#### **STOT - repeated exposure**

Not classified based on available information.



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## Aspiration toxicity

Not classified based on available information.

## Further information

### Product:

Remarks: No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

1-butoxypropan-2-ol

Toxicity to fish : **LC50 (Guppy (Poecilia reticulata)): > 560 mg/l**  
Exposure time: 96 h  
Method: **OECD Test Guideline 203**  
GLP: **yes**

Toxicity to daphnia and other aquatic invertebrates : **EC50 (Daphnia magna (Water flea)): > 1.000 mg/l**  
Exposure time: 48 h  
Method: **OECD Test Guideline 202**  
GLP: **yes**

Toxicity to algae : **EC50 (Pseudokirchneriella subcapitata (green algae)): > 1.000 mg/l**  
Exposure time: 96 h  
Method: **OECD Test Guideline 201**  
GLP: **yes**

barium bis(dinonylnaphthalenesulphonate)

Toxicity to fish : **LC50 (Cyprinus carpio (Carp)): > 0,28 mg/l**  
Exposure time: 96 h  
Test Type: **static test**  
Test substance: **WAF**  
Remarks: **No toxicity at the limit of solubility**  
**Information given is based on data obtained from similar substances.**

Toxicity to algae : **EC50 (Pseudokirchneriella subcapitata (green algae)): > 1,2 mg/l**  
End point: **Growth inhibition**  
Exposure time: 72 h  
Test substance: **WAF**  
Remarks: **No toxicity at the limit of solubility**



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Information given is based on data obtained from similar substances.

## Propylene glykol alkyl phenyl ether

Toxicity to fish : LC50 (*Leuciscus idus* (Golden orfe)): 10 - 100 mg/l  
Exposure time: 96 h

Toxicity to algae : EC50 (*Aquatic plants*): > 100 mg/l  
Exposure time: 72 h

## 2-dimethylaminoethanol

Toxicity to fish : LC50 (*Leuciscus idus* (Golden orfe)): 146,63 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: DIN 38412

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 98,37 mg/l  
Exposure time: 48 h  
Test Type: static test

Toxicity to algae : EC50 (*Desmodesmus subspicatus* (green algae)): 66,08 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test

## 1,2-Benzisothiazol-3(2H)-one

Toxicity to fish : LC50 (*Pimephales promelas* (fathead minnow)): 3,4 mg/l  
Exposure time: 96 h

LC50 (*Oncorhynchus mykiss* (rainbow trout)): 1,3 - 1,6 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (*Daphnia magna* (Water flea)): 1,5 - 3,3 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (*Algae, algal mat* (Algae)): 0,15 mg/l  
Exposure time: 72 h

## 2-Methyl-2H-isothiazol-3-one

Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 4,77 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 0,934 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (*Skeletonema costatum* (marine diatom)): 0,069 mg/l



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	Exposure time: 96 h
	Test Type: static test
	Method: OECD Test Guideline 201
M-Factor (Short-term (acute) aquatic hazard)	: 10
	: 10
Toxicity to fish (Chronic toxicity)	: NOEC: 2,1 mg/l
	Exposure time: 33 d
	Species: Pimephales promelas (fathead minnow)
	Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 0,044 mg/l
	Exposure time: 21 d
	Species: Daphnia magna (Water flea)
	Method: OECD Test Guideline 211
M-Factor (Long-term (chronic) aquatic hazard)	: 1
	1

## 12.2 Persistence and degradability

### Components:

1-butoxypropan-2-ol

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 90 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301E

barium bis(dinonylnaphthalenesulphonate)

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 14 - 17 %  
Exposure time: 28 d  
Remarks: Information given is based on data obtained from similar substances.

Propylene glykol alkyl phenyl ether

Biodegradability : Result: Readily biodegradable.

2-dimethylaminoethanol

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 60,5 %  
Exposure time: 28 d





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	Method: <b>OECD Test Guideline 301C</b>
1,2-Benzisothiazol-3(2H)-one	
Biodegradability	: Result: <b>Readily biodegradable.</b> Biodegradation: <b>ca. 90 %</b> Exposure time: <b>28 d</b> Method: <b>OECD Test Guideline 302B</b>
2-Methyl-2H-isothiazol-3-one	
Biodegradability	: Inoculum: <b>activated sludge</b> Result: <b>Not readily biodegradable.</b> Biodegradation: <b>&lt; 60 %</b> Exposure time: <b>28 d</b> Method: <b>OECD Test Guideline 301B</b>

## 12.3 Bioaccumulative potential

### Components:

barium bis(dinonylnaphthalenesulphonate)

Partition coefficient: n-octanol/water : log Pow: **> 6,7**

1,2-Benzisothiazol-3(2H)-one

Partition coefficient: n-octanol/water : log Pow: **0,4**

2-Methyl-2H-isothiazol-3-one

Partition coefficient: n-octanol/water : log Pow: **-0,486 (20 °C)**

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

## 12.6 Other adverse effects

### Product:

Additional ecological information : No data available



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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.
- 

## 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

### 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

Not applicable for product as supplied.

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

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## SECTION 15: Regulatory information

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

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

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Directive 96/82/EC does not apply

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

#### Other regulations:

Young people under 18 years old are not allowed to work with this product according to the EU Directive 94/33/EC on the protection of young people at work.

44/2000. (XII 27) Ministry of health dangerous substances and preparations dangerous for certain procedures and arrangements for activities  
2000 XXV. Law on chemical safety

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

DSL : This product contains one or several components that are not on the Canadian DSL and have annual quantity limits.



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AICS	:	Not in compliance with the inventory
ENCS	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
TCSI	:	Not in compliance with the inventory
TSCA	:	On TSCA Inventory

## Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

## 15.2 Chemical safety assessment

No data available

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## SECTION 16: Other information

### Further information

Internal information : 000000214700

### Full text of H-Statements

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.



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<b>H318</b>	Causes serious eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H330</b>	Fatal if inhaled.
<b>H331</b>	Toxic if inhaled.
<b>H332</b>	Harmful if inhaled.
<b>H335</b>	May cause respiratory irritation.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.

Other information : The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Valvoline's Environmental Health and Safety Department (+31 (0)78 654 3500).

Sources of key data used to compile the Safety Data Sheet  
Valvoline internal data including own and sponsored test reports  
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists  
BEI : Biological Exposure Index  
CAS : Chemical Abstracts Service (Division of the American Chemical Society).  
CMR : Carcinogenic, Mutagenic or Toxic for Reproduction  
FG : Food grade  
GHS : Globally Harmonized System of Classification and Labeling of Chemicals.  
H-statement : Hazard Statement  
IATA : International Air Transport Association.  
IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO : International Civil Aviation Organization  
ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"  
IMDG : International Maritime Code for Dangerous Goods  
ISO : International Organization for Standardization  
logPow : octanol-water partition coefficient  
LCxx : Lethal Concentration, for xx percent of test population  
LDxx : Lethal Dose, for xx percent of test population.  
ICxx : Inhibitory Concentration for xx of a substance  
Ecxx : Effective Concentration of xx



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N.O.S.: Not Otherwise Specified  
OECD : Organization for Economic Co-operation and Development  
OEL : Occupational Exposure Limit  
P-Statement : Precautionary Statement  
PBT : Persistent , Bioaccumulative and Toxic  
PPE : Personal Protective Equipment  
STEL : Short-term exposure limit  
STOT : Specific Target Organ Toxicity  
TLV : Threshold Limit Value  
TWA : Time-weighted average  
vPvB : Very Persistent and Very Bioaccumulative  
WEL : Workplace Exposure Level

ABM : Water Hazard Class for the Netherlands  
ADR : Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADNR: Regulation for the Carriage of Dangerous Substances on the Rhine  
CLP : Classification, Labelling and Packaging  
CSA : Chemical Safety Assessment  
CSR : Chemical Safety Report  
DNEL : Derived No Effect Level.  
EINECS : European Inventory of Existing Commercial Chemical Substances.  
ELINCS : European List of Notified Chemical Substances  
PEC : Predicted Effect Concentration  
PEL : Permissible Exposure Limits  
PNEC : Predicted No Effect Concentration  
R-phrase : Risk phrase  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulation Concerning the International Transport of Dangerous Goods by Rail  
S-phrase: Safety phrase  
WGK : German Water Hazard Class