

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

### 1.1 Product identifier

**Product name:** FINISHER CONCENTRATE

**Product No.:** 000001015615

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

**Identified uses:**

**Uses advised against:** Reserved for industrial and professional use.

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

#### Manufacturer

Agfa Graphics NV  
Septestraat 27  
2640 Mortsel  
Belgium

**Telephone:** +32 3 4442111

**Fax:** +32 3 4447094

**E-mail:** electronic.sds@agfa.com

#### National Supplier

Agfa-Gevaert Ltd.  
Vantage West  
Great West Road  
Brentford, Middlesex TW8 9AX  
United Kingdom

**Telephone:** +44 (0)20 8 231 4616

**Fax:** +44 (0)20 8 231 4951

**E-mail:** electronic.sds@agfa.com

### 1.4 Emergency telephone number:

Emergency telephone number (Belgium) : +32 3 4443333 (24h/24h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

#### Health Hazards

Serious eye irritation	Category 2	H319: Causes serious eye irritation.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.
Specific Target Organ Toxicity - Single Exposure	Category 3	H335: May cause respiratory irritation.

**2.2 Label Elements**

**Contains:** Polyglycol  
 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7]  
 and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-  
 2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-  
 metyyli-4-isotiatsolin-3-onin



**Signal Words:** Warning

**Hazard Statement(s):** H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H335: May cause respiratory irritation.

**Precautionary Statement**

**Prevention:** P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P272: Contaminated work clothing should not be allowed out of the  
 workplace.  
 P280: Wear protective gloves/protective clothing/eye protection/face  
 protection.

**Response:** P333+P313: If skin irritation or rash occurs: Get medical  
 advice/attention.  
 P304+P312: IF INHALED: Call a POISON CENTER or  
 doctor/physician if you feel unwell.  
 P340: Remove person to fresh air and keep comfortable for breathing.  
 P337+P313: If eye irritation persists: Get medical advice/attention.

**Storage:** P403+P233: Store in a well-ventilated place. Keep container tightly  
 closed.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and  
 disposal facility in accordance with applicable laws and regulations,  
 and product characteristics at time of disposal.

**2.3 Other hazards** No data available.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**General information:** No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes

Polyglycol	20 - <50%	25322-68-3		01- 2119958801- 32-XXXX	No data available.	
boric acid	1 - <5%	10043-35-3	233-139-2	01- 2119486683- 25-0006	No data available.	
Subtilisiini	0.1 - <1%	9014-01-1	232-752-2	01- 2119480434- 38-XXXX	1	#
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin	0.0015 - <0.06%	55965-84-9		No data available.	No data available.	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# # This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

### Classification

Chemical name	Classification	Notes
Polyglycol	STOT SE: 3: H335	
boric acid	Repr.: 1B: H360FD Repr.: 1B: H360FD	No data available.
Subtilisiini	Skin Irrit.: 2: H315 Eye Dam.: 1: H318 STOT SE: 3: H335 Resp. Sens.: 1: H334 Acute Tox.: 4: H302 STOT SE: 3: H335	No data available.

	Eye Dam.: 1: H318 Resp. Sens.: 1: H334 Skin Irrit.: 2: H315 Aquatic Acute: 1: H400 Aquatic Chronic: 2: H411	
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin	Skin Corr.: 1B: H314 Aquatic Acute: 1: H400 Skin Sens.: 1: H317 Acute Tox.: 3: H331 Acute Tox.: 3: H311 Acute Tox.: 3: H301 Aquatic Chronic: 1: H410	No data available.

CLP: Regulation No. 1272/2008.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Inhalation:** No data available.

**Eye contact:** No data available.

**Skin Contact:** No data available.

**Ingestion:** No data available.

**4.2 Most important symptoms and effects, both acute and delayed:** No data available.

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

**Hazards:** No data available.

**Treatment:** No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** No data available.

**Unsuitable extinguishing media:** No data available.

**5.2 Special hazards arising from the substance or mixture:** No data available.

### 5.3 Advice for firefighters

**Special fire fighting procedures:** No data available.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** No data available.

**6.2 Environmental Precautions:** No data available.

**6.3 Methods and material for containment and cleaning up:** No data available.

**6.4 Reference to other sections:** No data available.

**SECTION 7: Handling and storage:**

**7.1 Precautions for safe handling:** No data available.

**7.2 Conditions for safe storage, including any incompatibilities:** No data available.

**7.3 Specific end use(s):** No data available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Biological Limit Values**

None.

**DNEL-Values**

Critical component	type	Route of Exposure		Remarks
Polyglycol	Workers	Inhalation	5.096556 mg/m3	Repeated dose toxicity
	General population	Inhalation	1.2678 mg/m3	Repeated dose toxicity
	General population	Dermal	1.102435 mg/kg	Repeated dose toxicity
	Workers	Dermal	4.470663 mg/kg	Repeated dose toxicity
	General population	Oral	2.20487 mg/kg	Repeated dose toxicity
boric acid	Workers	Dermal	392 mg/kg	Developmental toxicity
	Worker: Industry	Inhalation	8.3 mg/m3	
	Workers	Inhalation	8.3 mg/m3	Developmental toxicity
CALCIUMFORMATE	General population	Dermal	2390 mg/kg	
	Workers	Inhalation	337 mg/m3	Effect on fertility
	General population	Inhalation	83.2 mg/m3	Effect on fertility
	Workers	Dermal	16.7 mg/cm2	Skin irritation/corrosion
	Workers	Dermal	16.7 mg/cm2	
	General population	Inhalation	83.2 mg/m3	Effect on fertility
	Workers	Inhalation	337 mg/m3	
General population	Dermal	8.3 mg/cm2	Skin irritation/corrosion	

	General population	Dermal	2390 mg/kg	Effect on fertility
	General population	Dermal	8.3 mg/cm2	Skin irritation/corrosion
	Workers	Dermal	4780 mg/kg	
	Workers	Dermal	4780 mg/kg	Effect on fertility
	General population	Oral	23.9 mg/kg	Effect on fertility

**PNEC-Values**

Critical component	Environmental compartment		Remarks
Polyglycol	Sewage treatment plant	72.92 mg/l	
	Aquatic (marine water)	0.0188 mg/l	
	Marine sediments	188 mg/kg	
	freshwater sediment	188 mg/kg	
	soil	52.264 mg/kg	
	Aquatic (freshwater)	0.188 mg/l	
boric acid	Aquatic (intermit. releases)	1.88 mg/l	
	Sewage treatment plant	10 mg/l	
	Fresh water	1.35 mg/l	
	Aquatic (freshwater)	2.02 mg/l	
	Marine water	1.35 mg/l	
	Aquatic (intermit. releases)	13.7 mg/l	
	Sediment-fresh water	1.8 mg/kg	
	Aquatic (marine water)	2.02 mg/l	
	Sewage treatment plant	1.75 mg/l	
	soil	5.4 mg/kg	
	Intermittent release	9.1 mg/l	
CALCIUMFORMATE	soil	1.5 mg/kg	
	Aquatic (marine water)	0.2 mg/l	
	Aquatic (intermit. releases)	10 mg/l	
	Aquatic (freshwater)	2 mg/l	
	Sewage treatment plant	2.21 mg/l	
	freshwater sediment	13.4 mg/kg	
	Marine sediments	1.34 mg/kg	

**8.2 Exposure controls**

**Appropriate Engineering Controls:** No data available.

**Individual protection measures, such as personal protective equipment**

**General information:** No data available.

**Eye/face protection:** Safety goggles. EN 166.

**Skin protection**

<b>Hand Protection:</b>	Protective gloves should be used if there is a risk of direct contact or splash.(EN374) Chemical resistant gloves required for prolonged or repeated contact. Butyl rubber. Glove thickness: > 0.70 mm Break-through time: > 480 min Risk of splashes: Nitrile rubber. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.\20 The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
<b>Other:</b>	Safety clothes : long sleeved clothing EN13688
<b>Respiratory Protection:</b>	In case of inadequate ventilation use suitable respirator (EN14387). Seek advice from local supervisor.
<b>Hygiene measures:</b>	No data available.
<b>Environmental Controls:</b>	No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Brownish
<b>Odor:</b>	Nearly odourless
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	8.05 (25 °C)
<b>Freezing point:</b>	< 0 °C (Literature.)
<b>Boiling Point:</b>	> 100 °C (Literature.)
<b>Flash Point:</b>	> 93.33 °C (Literature.) Not combustible.
<b>Evaporation Rate:</b>	Almost no evaporation (20°C).
<b>Flammability (solid, gas):</b>	Not flammable.
<b>Flammability Limit - Upper (%):</b>	
<b>Flammability Limit - Lower (%):</b>	
<b>Vapor pressure:</b>	23.00 hPa (20 °C) (Literature.)
<b>Vapor density (air=1):</b>	No data available
<b>Relative density:</b>	1.187 (20 °C) (Literature.)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable
<b>Autoignition Temperature:</b>	No data available
<b>Decomposition Temperature:</b>	No data available.
<b>Viscosity:</b>	No data available
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	No data available.
<b>10.2 Chemical Stability:</b>	No data available.
<b>10.3 Possibility of hazardous reactions:</b>	No data available.
<b>10.4 Conditions to avoid:</b>	No data available.
<b>10.5 Incompatible Materials:</b>	No data available.
<b>10.6 Hazardous Decomposition Products:</b>	No data available.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

<b>Product:</b>	Not classified for acute toxicity based on available data.
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#### Specified substance(s)

Polyglycol	LD 50 (Rat): 5,010 mg/kg
boric acid	LD 50 (Rat): > 2,600 mg/kg LD50 (rat): 2,660 mg/kg
Subtilisiini	LD 50 (Rat): 1,800 mg/kg
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-	No data available.



## 4-isotiatsolin-3-onin

**Dermal****Product:** Not classified for acute toxicity based on available data.**Specified substance(s)**

Polyglycol LD 50 (Rat): &gt; 2,500 mg/kg

boric acid LD 50 (Rabbit): > 2,000 mg/kg  
LD50 (rat): > 2,000 mg/kg

Subtilisiini No data available.

mixture of: 5-chloro-2- No data available.

methyl-4-isothiazolin-3-  
one [EC no.247- 500-7]  
and 2-methyl-2H-isothi  
azolin-3-one [EC no.  
220-239-6] (3:1), 5-  
Kloori-2-metyyli-2H-  
isotiatsol-3-onin [EY  
nro. 247-500-7] ja 2-  
metyyli-2 ri-2-metyyli-4-  
isotiatsolin-3-onin**Inhalation****Product:** Not classified for acute toxicity based on available data.**Specified substance(s)**

Polyglycol No data available.

boric acid LC 50 (Rat, 4 h): > 0.16 mg/l  
LC50 (rat, 4 h): 0.16 mg/l

Subtilisiini No data available.

mixture of: 5-chloro-2- No data available.

methyl-4-isothiazolin-3-  
one [EC no.247- 500-7]  
and 2-methyl-2H-isothi  
azolin-3-one [EC no. 220-  
239-6] (3:1), 5-Kloori-2-  
metyyli-2H-isotiatsol-3-  
onin [EY nro. 247-500-7]  
ja 2-metyyli-2 ri-2-metyyli-  
4-isotiatsolin-3-onin**Repeated dose toxicity****Product:** No data available.**Specified substance(s)**

Polyglycol LOAEL (Rat(Female, Male), Oral, 90 d): 16,000 mg/kg

LOAEL (Rat, Inhalation): 567 mg/m<sup>3</sup>

NOAEL (Rat(Female, Male), Oral, 13 Weeks): 1,100 mg/kg

LOAEL (Rat(Female, Male), Inhalation, 90 d): 380.3465 mg/kg  
 NOAEL (Rat(Female, Male), Oral, 90 d): 8,000 mg/kg

boric acid

Subtilisiini  
 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

NOAEL (Rat(Female, Male), Oral, 13 Weeks): > 360 mg/kg  
 No data available.

**Skin Corrosion/Irritation:**

**Product:**

No data available.

**Specified substance(s)**

Polyglycol  
 boric acid

No data available.  
 Literature. (rabbit): Mild skin irritation No skin irritation Based on available data, the classification criteria are not met.

Subtilisiini  
 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

in vivo (Rabbit): Category 3  
 No data available.

**Serious Eye Damage/Eye Irritation:**

**Product:**

No data available.

**Specified substance(s)**

Polyglycol  
 boric acid

No data available.  
 Literature. (rabbit): Mild eye irritation No eye irritation Based on available data, the classification criteria are not met.

Subtilisiini

in vivo (Rabbit): Slightly irritating EU  
 in vivo (Rabbit): Slightly irritating EU  
 in vivo (Rabbit): Slightly irritating EU  
 in vivo (Rabbit): Slightly irritating EU

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

No data available.

**Respiratory or Skin**

**Sensitization:**

**Product:** No data available.

**Specified substance(s)**

Polyglycol  
 boric acid

No data available.  
 , OECD Test Guideline 406 (guinea pig)Did not cause sensitization on laboratory animals. Based on available data, the classification criteria are not met.

Subtilisiini  
 No data available.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

Causes sensitization.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**

Polyglycol  
 boric acid  
 Subtilisiini

No data available.  
 No data available  
 No data available.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

No data available.

**In vivo**

**Product:** No data available.

**Specified substance(s)**

Polyglycol No data available.  
boric acid No data available  
Subtilisiini No data available.  
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

Polyglycol No data available.  
boric acid No data available  
  
Subtilisiini No data available.  
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**Polyglycol  
boric acidNo data available.  
Experiments have shown reproductive toxicity effects in male and female laboratory animals.Subtilisiini  
mixture of: 5-chloro-2-  
methyl-4-isothiazolin-3-  
one [EC no.247- 500-7]  
and 2-methyl-2H-isothi  
azolin-3-one [EC no. 220-  
239-6] (3:1), 5-Kloori-2-  
metyyli-2H-isotiatsol-3-  
onin [EY nro. 247-500-7]  
ja 2-metyyli-2 ri-2-metyyli-  
4-isotiatsolin-3-oninNo data available.  
No data available.**Specific Target Organ Toxicity - Single Exposure****Product:**

No data available.

**Specified substance(s)**Polyglycol  
boric acidNo data available.  
Kidneys, heart, central nervous system, liver, eyes. Single or short-term exposure: The substance is irritating to the eyes, skin and respiratory tract. The substance may act on the central nervous system and the optic nerve, causing vision loss and blindness. Exposure to high concentrations can reduce the consciousness.  
Skin contact can cause eczema damage. Could harm the unborn child. Poisoning symptoms include abdominal pain, diarrhea, vomiting, coma, convulsions and excessive salivation.Subtilisiini  
mixture of: 5-chloro-2-  
methyl-4-isothiazolin-3-  
one [EC no.247- 500-7]  
and 2-methyl-2H-isothi  
azolin-3-one [EC no. 220-  
239-6] (3:1), 5-Kloori-2-  
metyyli-2H-isotiatsol-3-  
onin [EY nro. 247-500-7]  
ja 2-metyyli-2 ri-2-metyyli-  
4-isotiatsolin-3-oninNo data available.  
No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:**

No data available.

**Specified substance(s)**Polyglycol  
boric acid  
SubtilisiiniNo data available.  
Chronic exposure causes drying effect on the skin and eczema.  
No data available.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

Polyglycol No data available.  
 boric acid No data available

Subtilisiini No data available.  
 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

Polyglycol No data available.  
 boric acid LC 50 (Oncorhynchus kisutch, 96 h): 600 mg/l (Static) experimental result  
 LC50 (Carassius auratus (goldfish), 72 h): 178 mg/l Based on available data, the classification criteria are not met.

Subtilisiini LC 50 (Oncorhynchus mykiss, 96 h): 17.7 mg/l (semi-static) experimental result

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothi

No data available.

azolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Polyglycol  
boric acid  
Subtilisiini  
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

No data available.  
EC50 (Daphnia magna (water flea), 48 h): 133 mg/l Based on available data, the classification criteria are not met.  
EC 50 (48 h): 0.868 mg/l (semi-static) experimental result  
No data available.

**Chronic Toxicity****Fish**

**Product:** No data available.

**Specified substance(s)**

Polyglycol  
boric acid  
Subtilisiini  
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin

No data available.  
No data available.  
NOAEL (Danio rerio, 33 d):  $\geq 1.24$  mg/l (flow-through) experimental result  
No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Polyglycol  
No data available.

boric acid	No data available.
Subtilisiini	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin	No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

Polyglycol	No data available.
boric acid	No data available.
Subtilisiini	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin	No data available.

**12.2 Persistence and Degradability****Biodegradation**

**Product:** No data available.

**Specified substance(s)**

Polyglycol	No data available.
boric acid	No data available.
Subtilisiini	No data available.
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin	No data available.



**BOD/COD Ratio**

**Product** No data available.

**Specified substance(s)**

Polyglycol No data available.  
 boric acid No data available.  
 Subtilisiini No data available.  
 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin No data available.

**12.3 Bioaccumulative Potential**

**Product:** No data available.

**Specified substance(s)**

Polyglycol No data available.  
 boric acid Bioaccumulation is unlikely.  
 Subtilisiini No data available.  
 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin No data available.

**12.4 Mobility in Soil:**

No data available.

**Known or predicted distribution to environmental compartments**

Polyglycol No data available.  
 boric acid Transport between environmental compartments is not expected.  
 Subtilisiini No data available.  
 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothiazolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin No data available.

**12.5 Results of PBT and vPvB assessment:** No data available.

Polyglycol No data available.

boric acid No data available.

Subtilisiini No data available.

mixture of: 5-chloro-2-methyl-4-

isothiazolin-3-one [EC no.247-

500-7] and 2-methyl-2H-isothi-

azolin-3-one [EC no. 220-239-6]

(3:1), 5-Kloori-2-metyyli-2H-

isotiatsol-3-onin [EY nro. 247-

500-7] ja 2-metyyli-2 ri-2-metyyli-

4-isotiatsolin-3-onin

**12.6 Other Adverse Effects:** No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**General information:** No data available.

**Disposal methods:** No data available.

## SECTION 14: Transport information

### ADR

14.1 UN Number: Not regulated.

14.2 UN Proper Shipping Name: Not regulated.

14.3 Transport Hazard Class(es) Not regulated.

14.4 Packing Group: Not regulated.

14.5 Environmental Hazards: Not regulated.

14.6 Special precautions for user: Not regulated.

### RID

14.1 UN Number: Not regulated.

14.2 UN Proper Shipping Name: Not regulated.

14.3 Transport Hazard Class(es) Not regulated.

14.4 Packing Group: Not regulated.

14.5 Environmental Hazards: Not regulated.

14.6 Special precautions for user: Not regulated.

### IMDG

14.1 UN Number: Not regulated.

14.2 UN Proper Shipping Name: Not regulated.

14.3 Transport Hazard Class(es) Not regulated.

14.4 Packing Group: Not regulated.

14.5 Environmental Hazards: Not regulated.

14.6 Special precautions for user: Not regulated.

**IATA**

- 14.1 UN Number: Not regulated.
- 14.2 UN Proper Shipping Name: Not regulated.
- 14.3 Transport Hazard Class(es): Not regulated.
- 14.4 Packing Group: Not regulated.
- 14.5 Environmental Hazards: Not regulated.
- 14.6 Special precautions for user: Not regulated.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** not applicable.

**SECTION 15: Regulatory information**

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

**EU Regulations**

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**Regulation (EC) No. 689/2008 Import and export of dangerous chemicals:** none

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:**

Chemical name	CAS-No.	Concentration
boric acid	10043-35-3	1.0 - 10%

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:**

Chemical name	CAS-No.	Concentration
boric acid	10043-35-3	1.0 - 10%

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:**

Chemical name	CAS-No.	Concentration
boric acid	10043-35-3	1.0 - 10%

**Directive 96/82/EC (Seveso II): on the control of major accident hazards involving dangerous substances:**

Chemical name	CAS-No.	Concentration
boric acid	10043-35-3	1.0 - 10%

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin	55965-84-9	0 - <0.1%
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**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:**  
 none

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:**

Chemical name	CAS-No.	Concentration
boric acid	10043-35-3	1.0 - 10%
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247- 500-7] and 2-methyl-2H-isothi azolin-3-one [EC no. 220-239-6] (3:1), 5-Kloori-2-metyyli-2H-isotiatsol-3-onin [EY nro. 247-500-7] ja 2-metyyli-2 ri-2-metyyli-4-isotiatsolin-3-onin	55965-84-9	0 - <0.1%

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

**Revision Information:**

Not relevant.Not relevant.

**Key literature references and sources for data:**

Safety Data Sheet from the supplier.  
 ECHA  
 This safety data sheet contains an ES (if applicable) in an integrated form. Contents of the exposure scenario have been included (if applicable) into sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet. The downstream user has to check whether his uses are covered by the integrated ES information in this safety data sheet.

**Wording of the H-statements in section 2 and 3**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H360FD May damage fertility. May damage the unborn child.
- H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

**Training information:** No data available.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Eye Irrit. 2, H319  
Skin Sens. 1, H317  
STOT SE 3, H335

**Other information:** This Safety Data Sheet is compiled in accordance with European Directives and corresponding national legislation.

**Issue Date:** 14.07.2016

**SDS No.:**

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.