

Safety Data Sheet

according to Regulation (EC) No 1907/2006



Erhärtungsbeschleuniger MO 5 (BE)

Print date: 18.03.2020

Product code: 30.223.100

Page 2 of 7

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
	Melamine Polymer	20 - < 25 %
233-332-1	calcium nitrate	10 - < 15 %
10124-37-5	O - Oxidizing, Xi - Irritant R08-36	
	Acute Tox. 4, Eye Dam. 1; H302 H318	
01-2119495093-		
208-754-4	sodium thiocyanate	10 - < 15 %
540-72-7		
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Aquatic Chronic 3; H332 H312 H302 H412 EUH032	

Full text of R, H and EUH phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

In case of fire may be liberated:

Nitrogen oxides (NOx).

Safety Data Sheet

according to Regulation (EC) No 1907/2006



Erhärtungsbeschleuniger MO 5 (BE)

Print date: 18.03.2020

Product code: 30.223.100

Page 3 of 7

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.
It is recommended to design all work processes always so that the following is excluded: inhalation.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

Do not store together with: Acid. Nitrite. Oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2. Exposure controls

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Hand protection

Hand protection: Single-use gloves.
Suitable material: NBR (Nitrile rubber).
Breakthrough times and swelling properties of the material must be taken into consideration.

Eye protection

Suitable eye protection: Tightly sealed safety glasses.

Skin protection

Suitable protective clothing: Overall. Boots.

Environmental exposure controls

Do not empty into drains.

Safety Data Sheet

according to Regulation (EC) No 1907/2006



Erhärtungsbeschleuniger MO 5 (BE)

Print date: 18.03.2020

Product code: 30.223.100

Page 4 of 7

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid:
Colour:	transparent yellow
Odour:	characteristic

Test method

pH-Value (at 20 °C): 7 ± 1

Changes in the physical state

Initial boiling point and boiling range: 100 °C

Sublimation point: not applicable

Flash point: not applicable

Flammability

Solid: not applicable

Lower explosion limits: not applicable

Auto-ignition temperature

Solid: not applicable

Density: 1,32 ± 0,03 g/cm³

Water solubility: completely miscible

Solvent content: 0 %

9.2. Other information

Solid content: 49,00 - 51,00 %

SECTION 10: Stability and reactivity

10.3. Possibility of hazardous reactions

Contact with acids liberates very toxic gas.

10.4. Conditions to avoid

acid.
Nitrites.
Oxidizing agents, strong.

10.6. Hazardous decomposition products

Hydrocyanic acid (hydrocyanic acid).
Sulfur oxides.
Nitrogen oxides (NOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Safety Data Sheet

according to Regulation (EC) No 1907/2006



Erhärtungsbeschleuniger MO 5 (BE)

Print date: 18.03.2020

Product code: 30.223.100

Page 5 of 7

Acute toxicity

CAS No	Chemical name				
	Exposure route	Method	Dose	Species	Source
	Melamine Polymer				
	oral	LD50	>20000 mg/kg		
	dermal	Data lacking			
	inhalation gas	Data lacking			
10124-37-5	calcium nitrate				
	oral	LD50	2000 mg/kg	Rat	ECHA
540-72-7	sodium thiocyanate				
	oral	LD50	764 mg/kg	Rat	RTECS
	dermal	ATE	1100 mg/kg		
	inhalation vapour	ATE	11 mg/l		
	inhalation aerosol	ATE	1,5 mg/l		

Irritation and corrosivity

Irritant effect on the skin:

species: Rabbit.

Evaluation: Not an irritant.

Irritant effect on the eye:

species: Rabbit.

Evaluation: Not an irritant.

Sensitising effects

sensitizing.

species: Guinea-pig.

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

Further information

Data arise from reference works and literature.

SECTION 12: Ecological information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Erhärtungsbeschleuniger MO 5 (BE)**

Print date: 18.03.2020

Product code: 30.223.100

Page 6 of 7

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	h	Species	Source
	Melamine Polymer					
	Acute fish toxicity	LC50	>560 mg/l	96 h	Leuciscus idus (golden orfe)	
10124-37-5	calcium nitrate					
	Acute fish toxicity	LC50	1378 mg/l	96 h		
	Acute algae toxicity	ErC50	1700 mg/l	96 h		
	Acute crustacea toxicity	EC50	490 mg/l	48 h		
540-72-7	sodium thiocyanate					
	Acute fish toxicity	LC50	> 100 mg/l	96 h	Pimephales promelas	

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Further information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

Not a hazardous material with respect to transportation regulations.

Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

Not a hazardous material with respect to transportation regulations.

Marine transport (IMDG)

Safety Data Sheet

according to Regulation (EC) No 1907/2006



Erhärtungsbeschleuniger MO 5 (BE)

Print date: 18.03.2020

Product code: 30.223.100

Page 7 of 7

Other applicable information (marine transport)

Not a hazardous material with respect to transportation regulations.

Air transport (ICAO-TI/IATA-DGR)

Other applicable information (air transport)

Not a hazardous material with respect to transportation regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): 0 %

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant R phrases (number and full text)

- 08 Contact with combustible material may cause fire.
36 Irritating to eyes.

Relevant H and EUH statements (number and full text)

- H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.
EUH032 Contact with acids liberates very toxic gas.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

* Data changed compared with the previous version

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)