

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 1 of 14

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

1.1. Product identifier

Bergolin Hardener 7D2800

Product group: Produkt
UFI: F88V-YRFN-8QC1-7EY8

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

Use of the substance/mixture

Hardener for 2K polyurethane systems

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name: Bergolin GmbH & Co. KG
Street: Sachsenring 1
Place: D-27711 Osterholz-Scharmbeck
Telephone: +49 4795 95899 0
e-mail: info@bergolin.de
Contact person: Gefahrstoffmanagement
e-mail: sdb@bergolin.de
Internet: www.bergolin.de
Responsible Department: Sicherheitsdatenblattverwaltung

1.4. Emergency telephone number:

+49 4795 95899 0
Only available during office hours. (8-16 CET)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Acute Tox. 4; H332
Skin Sens. 1; H317
STOT SE 3; H335

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

aliphatic polyisocyanate
Hexamethylene diisocyanate, oligomerization product (uretdione type)
Hexamethylene-1,6-diisocyanate homopolymer
Isophorone diisocyanate homopolymer
hexamethylene-di-isocyanate

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 2 of 14

H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

Special labelling of certain mixtures

EUH204 Contains isocyanates. May produce an allergic reaction.
As from 24 August 2023 adequate training is required before industrial or professional use.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

polyisocyanate

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
164250-92-4	aliphatic polyisocyanate			85 - < 90 %
	Acute Tox. 4, Skin Sens. 1B, STOT SE 3; H332 H317 H335			
28182-81-2	Hexamethylene diisocyanate, oligomerization product (uretdione type)			1 - < 5 %
	500-060-2		01-2119488177-26	
	Acute Tox. 3, Skin Sens. 1, STOT SE 3; H331 H317 H335			
28182-81-2	Hexamethylene-1,6-diisocyanate homopolymer			1 - < 5 %
	500-060-2			
	Acute Tox. 4, Skin Sens. 1, STOT SE 3; H332 H317 H335			
53880-05-0	Isophorone diisocyanate homopolymer			1 - < 5 %
			01-2119488734-24	
	Skin Sens. 1B, STOT SE 3; H317 H335			

Full text of H and EUH statements: see section 16.

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 3 of 14

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
164250-92-4		aliphatic polyisocyanate	85 - < 90 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2500 mg/kg	
28182-81-2	500-060-2	Hexamethylene diisocyanate, oligomerization product (uretdione type)	1 - < 5 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: LC50 = 0,158 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5665 mg/kg	
28182-81-2	500-060-2	Hexamethylene-1,6-diisocyanate homopolymer	1 - < 5 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = 0,39 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2500 mg/kg	
53880-05-0		Isophorone diisocyanate homopolymer	1 - < 5 %
		inhalation: LC50 = >5 mg/l (dusts or mists); oral: LD50 = >14000 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Remove casualty to fresh air and keep warm and at rest.
Take off immediately all contaminated clothing and wash it before reuse. When in doubt or if symptoms are observed, get medical advice.
Never give anything by mouth to an unconscious person or a person with cramps.
If unconscious place in recovery position and seek medical advice.
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Remove casualty to fresh air and keep warm and at rest. Call a doctor if you feel unwell.
If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

After contact with skin

Immediately remove any contaminated clothing, shoes or stockings.
After contact with skin, wash immediately with plenty of water and soap.
Do not wash with: Solvents/Thinner.
In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical advice immediately.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunk in little sips (dilution effect).
Put victim at rest, cover with a blanket and keep warm.
Do NOT induce vomiting.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 4 of 14

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder, Water mist

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

Hazardous decomposition products: carbon black. Health hazard.

5.3. Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers.

In case of fire: Wear self-contained breathing apparatus. Special protective equipment for firefighters:

Protective clothing.

Additional information

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Keep away from sources of ignition - No smoking. Ventilate affected area.

Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothes.

Safe handling: see section 7

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Other information

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

The contaminated area should be cleaned up immediately with:

a mixture of 45% water, 50% ethanol or isopropyl alcohol, 5% concentrated ammonia solution (density 0.880) (Flammable)

Other:

a mixture of 95% water and 5% sodium carbonate (Non-flammable.)

Add the decontaminant to the remnants and let stand for several days in a non-sealed container until no further reaction is observed. Once reaction is finished, close container and dispose of.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used. Examination of lung function should be carried out on a regular basis on persons spraying this product.

Avoid release to the environment. In case of insufficient ventilation and/or through use, explosive/highly

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 5 of 14

flammable mixtures may develop. Only use the material in places where open light, fire and other flammable sources can be kept away. Use explosion-proof electrical equipment. Filling and transfer: Take precautionary measures against static discharges. Provide earthing of containers, equipment, pumps and ventilation facilities. Wear anti-static footwear and clothing. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)". Use only antistatically equipped (spark-free) tools.

Never use pressure to empty container. Handle and open container with care. Keep/Store only in original container. Do not allow to enter into surface water or drains. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Avoid contact with skin, eyes and clothes. Avoid: Inhalation of vapours or spray/mists, Inhalation of dust/particles. When using do not eat, drink, smoke, sniff.

Advice on protection against fire and explosion

Solvent - Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Advice on general occupational hygiene

Harmful dust is produced during dry-state pulverisation. Do not subject to grinding. (Avoid dust formation.) If possible, dampen before cutting or drilling. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

Draw up and observe skin protection programme.

When using do not eat, drink, smoke, sniff.

Take off contaminated clothing and wash it before reuse.

Wash hands and face before breaks and after work and take a shower if necessary.

Make available sufficient washing facilities

Further information on handling

Conditions to avoid: Avoid contact with water. - Protect from moisture.

Carbon dioxide (CO₂) (chemical identity of the evolved gas). Due to gaseous decomposition products, overpressure can occur in tightly sealed containers.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with: Betriebssicherheitsverordnung (BetrSichV).

Hints on joint storage

Do not store together with: Oxidizing agent, Strong acid, Strong alkali, Amines, Water,

Food and feedingstuffs

Further information on storage conditions

Notice the directions for use on the label.

Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of ignition - No smoking.

Store in a place accessible by authorized persons only.

Always close containers tightly after the removal of product.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 6 of 14

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
DNEL type				
28182-81-2	Hexamethylene diisocyanate, oligomerization product (uretdione type)			
Worker DNEL, acute		inhalation	local	0,7 mg/m ³
Worker DNEL, long-term		inhalation	local	0,35 mg/m ³
28182-81-2	Hexamethylene-1,6-diisocyanate homopolymer			
Worker DNEL, acute		inhalation	local	1 mg/m ³
Worker DNEL, long-term		inhalation	local	0,5 mg/m ³
53880-05-0	Isophorone diisocyanate homopolymer			
Worker DNEL, acute		inhalation	local	0,58 mg/m ³
Worker DNEL, long-term		inhalation	local	0,29 mg/m ³

PNEC values

CAS No	Substance	Value
Environmental compartment		
28182-81-2	Hexamethylene diisocyanate, oligomerization product (uretdione type)	
Freshwater		>0,05 mg/l
Marine water		>0,005 mg/l
Freshwater sediment		>1,33 mg/kg
Marine sediment		>0,133 mg/kg
Micro-organisms in sewage treatment plants (STP)		55,6 mg/l
Soil		>0,066 mg/kg
28182-81-2	Hexamethylene-1,6-diisocyanate homopolymer	
Freshwater		0,127 mg/l
Freshwater sediment		266701 mg/kg
Marine sediment		26670 mg/kg
Micro-organisms in sewage treatment plants (STP)		88 mg/l
Soil		53183 mg/kg

Additional advice on limit values

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used. Examination of lung function should be carried out on a regular basis on persons spraying this product.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Safety precautions for operators (SPo): Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye protection/face protection.

Hand protection

Wear protective gloves. Replace when worn. The quality of the protective gloves resistant to chemicals must

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 7 of 14

be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: EN ISO 374 butyl rubber or Viton (necessarily consider the permanence of the material and See information supplied by the manufacturer.)

Breakthrough time (maximum wearing time): not determined

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Thickness of the glove material, Breakthrough times and swelling properties of the material must be taken into consideration. Observe the wear time limits as specified by the manufacturer.

Use protective skin cream before handling the product.

Skin protection

Only wear fitting, comfortable and clean protective clothing.

Wear anti-static footwear and clothing (Natural fibres (e.g. cotton) / heat-resistant synthetic fibres)

Respiratory protection

Provide adequate ventilation. Combination filtering device (EN 14387).

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Self-contained respirator (breathing apparatus) (DIN EN 133).

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

Test method

Changes in the physical state

Melting point/freezing point: not determined

Boiling point or initial boiling point and boiling range: not determined

Flash point: > 100 °C DIN 53213

Flammability

Solid/liquid: not determined

Gas: not determined

Explosive properties

No information available.

Auto-ignition temperature: 435 °C

Self-ignition temperature

Solid: not determined

Gas: not determined

Decomposition temperature: not determined

pH-Value: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: > 100 6 DIN EN ISO 2431
(at 20 °C)

Water solubility: not determined

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 8 of 14

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

not determined

Vapour pressure:

0,007 hPa

(at 20 °C)

Density (at 20 °C):

1,12 g/cm³ DIN 53217

Relative vapour density:

not determined

9.2. Other information**Information with regard to physical hazard classes**

Sustaining combustion:

No data available

Oxidizing properties

No information available.

Other safety characteristics

Solvent separation test:

<3 % (Land transport (ADR/RID))

Solvent content:

0,51 %

Solid content:

99,49 %

Evaporation rate:

not determined

Further Information**SECTION 10: Stability and reactivity****10.1. Reactivity**Decomposes in contact with water. Carbon dioxide (CO₂) (chemical identity of the evolved gas)**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Keep away from: Oxidizing agent, Amines, Alcohols, Water, Strong alkali, Strong acid

Due to gaseous decomposition products, overpressure can occur in tightly sealed containers. Closed containers may burst when pressure and temperature rise.

10.4. Conditions to avoid

In case of fire: May form hazardous decomposition products when exposed to high temperatures.

10.5. Incompatible materials

Exothermic reaction with: Alcohols, Amines

10.6. Hazardous decomposition productscarbon black, Carbon monoxide, Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Isocyanates, Amines, Alcohols, Hydrogen cyanide (hydrocyanic acid)**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Harmful if inhaled.

ATEmix tested

	Dose	Species	Source
LC50, inhalation (dust/mist) (4 h)	11 mg/l		
LC50, inhalation (gas) (4 h)	1,02 ppm		

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 9 of 14

ATEmix calculated

ATE (inhalation vapour) 10,32 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
164250-92-4	aliphatic polyisocyanate				
	oral	LD50 >2500 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rat		
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
28182-81-2	Hexamethylene diisocyanate, oligomerization product (uretdione type)				
	oral	LD50 >5665 mg/kg	Rat		OECD 401
	dermal	LD50 >2000 mg/kg	Rat		OECD 402
	inhalation vapour	ATE 3 mg/l			
	inhalation (4 h) dust/mist	LC50 0,158 mg/l	Rat		OECD 403
28182-81-2	Hexamethylene-1,6-diisocyanate homopolymer				
	oral	LD50 >2500 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rat		
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) dust/mist	LC50 0,39 mg/l	Rat		OECD 403
53880-05-0	Isophorone diisocyanate homopolymer				
	oral	LD50 >14000 mg/kg	Rat		
	inhalation (4 h) dust/mist	LC50 >5 mg/l	OECD Prüfrichtlinie 403		

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Irritating to skin.

Sensitising effects

Contains isocyanates. May produce an allergic reaction. May cause an allergic skin reaction. (aliphatic polyisocyanate; Hexamethylene diisocyanate, oligomerization product (uretdione type);

Hexamethylene-1,6-diisocyanate homopolymer; Isophorone diisocyanate homopolymer)

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation. (aliphatic polyisocyanate)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 10 of 14

Aspiration hazard

Based on available data, the classification criteria are not met.

Contains isocyanates. May produce an allergic reaction. Respiratory or skin sensitisation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Practical experience

Following inhalation:

Adverse human health effects and symptoms: May cause respiratory irritation. May cause damage to liver if inhaled. May cause damage to kidneys if inhaled. Depression of central nervous system.

Symptoms: Headache, Dizziness, Drowsiness, Unconsciousness

After eye contact:

Irritating to eyes. (reversible.)

Following skin contact:

May be absorbed through the skin. Frequently or prolonged contact with skin may cause dermal irritation. Has degreasing effect on the skin.

Further information

There are no data available on the mixture itself.

Classification according to Regulation (EC) No 1272/2008 [CLP]

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 11 of 14

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
164250-92-4	aliphatic polyisocyanate					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Danio rerio		
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
28182-81-2	Hexamethylene diisocyanate, oligomerization product (uretdione type)					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50 >50 <100 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna (Big water flea)		
	Acute bacteria toxicity	(EC50 5560 mg/l)	3 h	Activated sludge		OECD 209
28182-81-2	Hexamethylene-1,6-diisocyanate homopolymer					
	Acute fish toxicity	LC50 >=100 mg/l	96 h	Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Scenedesmus subspicatus		DIN 38412
	Acute crustacea toxicity	EC50 127 mg/l	48 h	Daphnia magna (Big water flea)		
	Acute bacteria toxicity	(EC50 3828 mg/l)	3 h	Activated sludge		OECD 209
53880-05-0	Isophorone diisocyanate homopolymer					
	Acute fish toxicity	LC50 >1,51 mg/l	96 h	Cyprinus carpio		
	Acute algae toxicity	ErC50 >3,1 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 >3,36 mg/l	48 h	Daphnia magna		
	Acute bacteria toxicity	(EC50 >10000 mg/l)	3 h	Activated sludge		

12.2. Persistence and degradability

No information available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
28182-81-2	Hexamethylene diisocyanate, oligomerization product (uretdione type)			
		1%	21	
53880-05-0	Isophorone diisocyanate homopolymer			
		0%	28	

12.3. Bioaccumulative potential

No information available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
28182-81-2	Hexamethylene-1,6-diisocyanate homopolymer	8,38

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 12 of 14

BCF

CAS No	Chemical name	BCF	Species	Source
28182-81-2	Hexamethylene diisocyanate, oligomerization product (uretdione type)	788		

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
not applicable

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

There are no data available on the mixture itself.
Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains.
Suitable material for diluting or neutralizing: SECTION 6: Accidental release measures
Recycle according to official regulations.
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Hazardous waste according to Directive 2008/98/EC (waste framework directive).

List of Wastes Code - residues/unused products

080501 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes not otherwise specified in 08; waste isocyanates; hazardous waste

Contaminated packaging

Completely emptied packages can be recycled.
Recycle according to official regulations.

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

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

Other applicable information (land transport)

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

Other applicable information (marine transport)

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

Other applicable information (air transport)

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 13 of 14

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC):

0,51 % (5,712 g/l)

Information according to 2012/18/EU
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

Additional information

Observe in addition any national regulations!

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 15.

Abbreviations and acronyms

ADR - Accord européen relatif transport des marchandises dangereuses par route ATE - Acute Toxicity Estimate / Schätzwert akuter Toxizität; BCF - Biokonzentrationsfaktor (Bio-Concentration Factor); CAS - Chemical Abstracts Service; CLP - Regulation on Classification, Labelling and Packaging of Substances and Mixtures; CMR - Carcinogenität, Mutagenität, Reproduktionstoxizität; ECHA - European Chemicals Agency / Europäische Chemikalienagentur (in Helsinki); EC50 - Effective Concentration 50%; ErC50 - Average specific growth rate; EINECS - European Inventory of Existing Commercial Chemical Substances; DNEL - „Derived No-Effect Level“; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods Code; LC50 - Lethal Concentration 50%; LD50 - Lethal dose 50%; NOAEC/L - No Observed Adverse Effect Concentration / Level; NOEC - No Observed Effect Concentration; OECD - Organization for Economic Cooperation and Development; PBT - Persistent, Bioaccumulative, Toxic (persistent, bioakkumulativ, toxisch); PNEC - Predicted No Effect Concentration; REACH - Registration, Evaluation and Authorization of Chemicals; RID - Règlement International concernant le transport de marchandises dangereuses par chemin de fer; SCL - Specific Concentration Level; STOT - Specific Target Organ Toxicity; SVHC - Stoff sehr hoher Besorgnis (Substance of Very High Concern); VOC - Volatile Organic Compounds; WGK - Wassergefährdungsklasse

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Acute Tox. 4; H332	On basis of test data
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method

Relevant H and EUH statements (number and full text)

H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
EUH204	Contains isocyanates. May produce an allergic reaction.

Safety Data Sheet

according to UK REACH Regulation

Bergolin Hardener 7D2800

Revision date: 13.03.2024

Product code: A1020561

Page 14 of 14

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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