

	-				
	according to Re	egulation (EC) No 1907/2006 (REAC	H) as amended		
	Pentanal	oxalic acid 0,05 mol	/l (N/10)		
	ion date 17th October				
Revisi	on date 16th May 202	23 Version	4.0		
SECT	ION 1: Identification of the substa	nce/mixture and of the company	/undertaking		
1.1.	Product identifier	Pentanal® ox	alic acid 0,05 mol/l (N/10	))	
	Substance / mixture	substance			
	Chemical name	Oxalic acid di	hydrate		
	CAS number	6153-56-6			
	Index number	607-006-00-8	3		
	EC (EINECS) number	205-634-3			
	Registration number	01-21195345	01-2119534576-33-xxxx		
1.2.	Relevant identified uses of the su	vised against			
· — -		idstance of mixture and uses au	viseu against		
	Substance's intended use	idstance of mixture and uses ad	viseu against		
			-		
	Substance's intended use		-		
	Substance's intended use Chemical production, analytical chen	nistry, laboratory synthesis, industria	al applications.		
	Substance's intended use Chemical production, analytical chen Substance uses advised against	nistry, laboratory synthesis, industria ays other then those referred in Sec	al applications.		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe	nistry, laboratory synthesis, industria ays other then those referred in Sec	al applications.		
	Substance's intended use Chemical production, analytical chen Substance uses advised against The product should not be used in w	nistry, laboratory synthesis, industria ays other then those referred in Sec <b>ety data sheet</b>	al applications. tion 1.		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier	nistry, laboratory synthesis, industria ays other then those referred in Sec <b>ety data sheet</b> Ing. Petr Šved	al applications. tion 1. c - PENTA s.r.o.		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier Name or trade name	nistry, laboratory synthesis, industria ays other then those referred in Sec <b>ety data sheet</b> Ing. Petr Šveo Radiová 1122	al applications. tion 1. c - PENTA s.r.o. /1, Praha 10, 102 00		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier Name or trade name Address	nistry, laboratory synthesis, industria ays other then those referred in Sec e <b>ty data sheet</b> Ing. Petr Švea Radiová 1122 Czech Republ	al applications. tion 1. c - PENTA s.r.o. /1, Praha 10, 102 00		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier Name or trade name Address Identification number (CRN)	nistry, laboratory synthesis, industria ays other then those referred in Sec <b>ety data sheet</b> Ing. Petr Šved Radiová 1122 Czech Republ 02096013	al applications. tion 1. c - PENTA s.r.o. /1, Praha 10, 102 00		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier Name or trade name Address Identification number (CRN) VAT Reg No	nistry, laboratory synthesis, industria ays other then those referred in Sec <b>ety data sheet</b> Ing. Petr Šved Radiová 1122 Czech Republ 02096013 CZ02096013	al applications. tion 1. c - PENTA s.r.o. /1, Praha 10, 102 00 ic		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier Name or trade name Address Identification number (CRN) VAT Reg No Phone	nistry, laboratory synthesis, industria ays other then those referred in Sec <b>ety data sheet</b> Ing. Petr Šved Radiová 1122 Czech Republ 02096013 CZ02096013 +420 226 060	al applications. tion 1. c - PENTA s.r.o. /1, Praha 10, 102 00 ic		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier Name or trade name Address Identification number (CRN) VAT Reg No Phone E-mail	nistry, laboratory synthesis, industria ays other then those referred in Sec <b>ety data sheet</b> Ing. Petr Šved Radiová 1122 Czech Republ 02096013 CZ02096013 +420 226 060 info@pentach	al applications. tion 1. c - PENTA s.r.o. /1, Praha 10, 102 00 ic D 681 emicals.eu		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier Name or trade name Address Identification number (CRN) VAT Reg No Phone E-mail Web address	nistry, laboratory synthesis, industria ays other then those referred in Sec <b>ety data sheet</b> Ing. Petr Šved Radiová 1122 Czech Republ 02096013 CZ02096013 +420 226 060 info@pentach www.pentach	al applications. tion 1. c - PENTA s.r.o. /1, Praha 10, 102 00 ic D 681 emicals.eu		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier Name or trade name Address Identification number (CRN) VAT Reg No Phone E-mail Web address Competent person responsible for	nistry, laboratory synthesis, industria ays other then those referred in Sec ety data sheet Ing. Petr Šved Radiová 1122 Czech Republ 02096013 CZ02096013 +420 226 060 info@pentach www.pentach	al applications. tion 1. c - PENTA s.r.o. /1, Praha 10, 102 00 ic D 681 emicals.eu emicals.eu		
	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier Name or trade name Address Identification number (CRN) VAT Reg No Phone E-mail Web address Competent person responsible for Name	nistry, laboratory synthesis, industria ays other then those referred in Sect ety data sheet Ing. Petr Šved Radiová 1122 Czech Republ 02096013 CZ02096013 +420 226 060 info@pentach www.pentach or the safety data sheet Ing. Petr Šved	al applications. tion 1. c - PENTA s.r.o. /1, Praha 10, 102 00 ic 0 681 emicals.eu emicals.eu c - PENTA s.r.o.		
1.3.	Substance's intended use Chemical production, analytical chem Substance uses advised against The product should not be used in w Details of the supplier of the safe Supplier Name or trade name Address Identification number (CRN) VAT Reg No Phone E-mail Web address Competent person responsible for	nistry, laboratory synthesis, industria ays other then those referred in Sec ety data sheet Ing. Petr Šved Radiová 1122 Czech Republ 02096013 CZ02096013 +420 226 060 info@pentach www.pentach	al applications. tion 1. c - PENTA s.r.o. /1, Praha 10, 102 00 ic 0 681 emicals.eu emicals.eu c - PENTA s.r.o.		

#### ards identification

#### 2.1. Classification of the substance or mixture Classification of the substance in accordance with Regulation (EC) No 1272/2008 The substance is classified as dangerous.

Acute Tox. 4, H302+H312 Eye Dam. 1, H318

Full text of all classifications and hazard statements is given in the section 16.

#### Most serious adverse effects on human health and the environment Causes serious eye damage. Harmful if swallowed or in contact with skin.

#### 2.2. Label elements

Hazard pictogram



Danger



## **SAFETY DATA SHEET**

according to Regulation (EC) No 1907/2006 (REACH) as amended

## Pentanal® oxalic acid 0,05 mol/l (N/10)

	• • • • • • • • • • • • • • • • • • • •		(	
Creation date	17th October 2019			
Revision date	16th May 2023	Version	4.0	

## Dangerous substance

Oxalic acid dihydrate	
(Index: 607-006-00-8;	CAS: 6153-56-6)
Hazard statements	
H318	Causes serious eye damage.
H302+H312	Harmful if swallowed or in contact with skin.
Precautionary statem	nents
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### 2.3. Other hazards

The substance does not have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Dust may form explosive mixture with air.

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

#### 3.1. Substances

### Chemical characterization

The substance specified below.

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
	substance main component			
Index: 607-006-00-8 CAS: 6153-56-6 EC: 205-634-3 Registration number: 01-2119534576-33- xxxx	Oxalic acid dihydrate		Acute Tox. 4, H302+H312 Eye Dam. 1, H318	

Full text of all classifications and hazard statements is given in the section 16.

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

#### If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

#### If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

#### If in eyes

Do not rub your eyes – it could lead to mechanical damage of the cornea. Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.



		according to Regulation (EC			
		Pentanal® oxalic	acid 0,05 mol/l	(N/10)	
	ion date	17th October 2019			
Revisi	on date	16th May 2023	Version	4.0	
	If swallowed				
	Rinse out the i	mouth with water and provide 2-5 c	dL of water. Provide medic	al treatment.	
4.2.	Most importa	int symptoms and effects, both a	acute and delayed		
	If inhaled				
	Inhaling dust o	can cause corrosion of the breathing	g system.		
	If on skin				
	not available				
	If in eyes				
	Causes serious	s eye damage.			
	If swallowed				
	Corrosion of th	ne digestion system can occur.			
4.3.	Indication of	any immediate medical attention	on and special treatmen	t needed	
	Symptomatic t	reatment.			

Unsuitable extinguishing media

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

#### 5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

#### **SECTION 6:** Accidental release measures

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

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

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

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

6.4. Reference to other sections

See the Section 7, 8 and 13.

### SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

### 7.3. Specific end use(s)

not available



## SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## Pentanal® oxalic acid 0,05 mol/l (N/10)

			(/ = -/	
Creation date	17th October 2019			
Revision date	16th May 2023	Version	4.0	

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

### Control parameters

DNEL

8.1.

Oxalic acid dihydrate

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	0.69 mg/cm <sup>2</sup>	Acute effects local		
Workers	Dermal	2.29 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	4.03 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers	Dermal	0.35 mg/cm <sup>2</sup>	Acute effects local		
Consumers	Dermal	1.14 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	1.14 mg/m <sup>3</sup>	Chronic effects systemic		

#### PNEC

Oxalic acid dihydrate

Route of exposure	Value	Value determination	Source
Drinking water	0.1622 mg/l		
Marine water	0.01622 mg/l		

### 8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

#### Skin protection

Hand protection: Protective gloves resistant to the product (nitrile rubber). When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

#### **Respiratory protection**

Use a mask with anti-dust filter when the exposition limits of the substances are exceeded or at the place with insufficient ventilation. Respirator.

Thermal hazard

Not available.

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

#### SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	white
Odour	without fragrance
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available



		S	AFETY DA	TA SHEET		
		according to Reg	gulation (EC) No 19	007/2006 (REACH) as ame	ended	
		Pentanal®	oxalic acid	0,05 mol/l (N/	/10)	
	on date	17th October 2			4.0	
evisio	on date	16th May 2023	3	Version	4.0	
	Flash point			data not available		
	Auto-ignition tempera			data not available		
	Decomposition tempe	erature		data not available		
	рН			data not available		
	Kinematic viscosity			data not available		
	Solubility in water	octanol/wator (l		data not available data not available		
	Partition coefficient n Vapour pressure		og value)	data not available		
	Density and/or relativ	ve densitv		data not available		
	Relative vapour dens			data not available		
	Particle characteristic			data not available		
.2.	Other information					
	not available					
	ON 10: Stability and	reactivity				
0.1.	Reactivity	fla				
• •	The substance is non	-flammable.				
0.2.	<b>Chemical stability</b> The product is stable	undor normal co	nditions			
0.3.	Possibility of hazar					
0.5.	Unknown.					
0.4.	Conditions to avoid					
			tion occurs under	normal use. Protect agair	nst flames, sparks	, overheating a
	against frost.	_		-		-
0.5.	Incompatible mate					
~ ~	Protect against strong					
0.6.	Hazardous decomp	-		such as carbon monoxid	a and carbon diay	ido ara farmad
	high temperature and		angerous outcomes			lue are formed
ECTI	ON 11: Toxicological	l information				
1.1.			-	ntion (EC) No 1272/200	08	
	No toxicological data	is available for th	ne substance.			
	Acute toxicity					
	Harmful if swallowed Oxalic acid dihydrate		n skin.			
	Route of exposure	Parameter	Value	Exposure time	Species	Sex
	Oral	LD 50	375 mg/kg		Rat (Rattus	
	Davraal		20000 mg/l/g		norvegicus) Rabbit	
	Dermal	LDso	20000 mg/kg		Raddil	
	Skin corrosion/irrit Based on available da		ion criteria are not	met		
	Serious eye damag			met.		
	Causes serious eye d					
	Respiratory or skin	-				
	Based on available da		ion criteria are not	met.		
	Germ cell mutagen					
	Based on available da	-	ion criteria are not	met.		
	Carcinogenicity					
	Based on available da	ata the classificat	ion criteria are not	met.		
age	5/8			Mada in CDI Ca	e 2023 (23.4.87)	



## **SAFETY DATA SHEET**

according to Regulation (EC) No 1907/2006 (REACH) as amended

## Pentanal® oxalic acid 0,05 mol/l (N/10)

Creation date	17th October 2019		-
Revision date	16th May 2023	Version	4.0

#### Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

#### Aspiration hazard

Based on available data the classification criteria are not met.

#### 11.2. Information on other hazards

The substance does not have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

#### **SECTION 12: Ecological information**

#### 12.1. Toxicity

#### Acute toxicity

Oxalic acid dihydrate

Parameter	Value	Exposure time	Species	Environment
LC50	160 mg/l	96 hours	Fish (Leuciscus idus)	
EC50	162.2 mg/l		Daphnia (Daphnia magna)	

#### 12.2. Persistence and degradability

not available

#### 12.3. Bioaccumulative potential

Not available.

#### 12.4. Mobility in soil

Not available.

#### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

#### **12.6.** Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

#### 12.7. Other adverse effects

Not available.

#### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### **SECTION 14: Transport information**

#### 14.1. UN number or ID number

not subject to transport regulations



	SAFETY DATA SHEET								
according to Regulation (EC) No 1907/2006 (REACH) as amended									
Pentanal® oxalic acid 0,05 mol/l (N/10)									
Creatio	on date 17th October 2	.019							
Revisio	on date 16th May 2023	Version	4.0						
14.2.	UN proper shipping name								
	not relevant								
14.3.	Transport hazard class(es)								
	not relevant								
14.4.	Packing group								
	not relevant								
14.5.	Environmental hazards								
	not relevant								
14.6.	Special precautions for user								
	Reference in the Sections 4 to 8.								
14.7.	Maritime transport in bulk according to IMO instruments								
I	not relevant								

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

#### 15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out.

#### **SECTION 16: Other information**

es used in the safety data sheet						
Causes serious eye damage.						
Harmful if swallowed or in contact with skin.						
used in the safety data sheet						
Wear protective gloves/protective clothing/eye protection/face protection.						
IF ON SKIN: Wash with plenty of water and soap.						
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.						
n about human health protection						
The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.						
ronyms used in the safety data sheet						
European agreement concerning the international carriage of dangerous goods by road						
Bioconcentration Factor						
Chemical Abstracts Service						
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures						
Identification code for each substance listed in EINECS						
Concentration of a substance when it is affected 50% of the population						
European Inventory of Existing Commercial Chemical Substances						
Emergency plan						
European Union						
European Product Categorisation System						
i						



SAFETY DATA SHEET							
according to Regulation (EC) No 1907/2006 (REACH) as amended Pentanal® oxalic acid 0,05 mol/l (N/10)							
Revision date	16th May 2023	Version	4.0				
IATA	International Air Transport Association						
IBC		International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals					
ICAO	ICAO International Civil Aviation Organization						
IMDG	International Maritime Dangerous Goods						
IMO	International Maritime Organization						
INCI	International Nomenclature of Cosmetic Ingredients						
ISO	International Organization for Standardization						
IUPAC	International Union of Pure and Applied Chemistry						
LC50	Lethal concentration of a substance in which it can be expected death of 50% of the population						
LD50	Lethal dose of a substance in which it can be expected death of 50% of the population						
log Kow	Octanol-water pa	artition coefficient					
OEL	Occupational Exposure Limits						
PBT	Persistent, Bioaccumulative and Toxic						
ppm	Parts per million						
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals						
RID	Agreement on the transport of dangerous goods by rail						
UN							
UVCB	Substances of ur biological materia		ition, complex reaction products or				
VOC	Volatile organic o	compounds					
vPvB	_	nd very Bioaccumulative					
Acute Tox.	Acute toxicity						
Eye Dam.	Serious eye dam	age					
Training guideli	nes						

#### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

#### **Recommended restrictions of use**

not available

#### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### The changes (which information has been added, deleted or modified)

The version 4.0 replaces the SDS version from 08 February 2023. Changes were made in sections 2, 11, 12, 15 and 16.

#### More information

Classification procedure - calculation method.

#### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.