

# SAFETY DATA SHEET

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

# Formic acid 98%

Creation date 28th April 2019

Revision date 03rd May 2023 Version 4.0

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

**1.1. Product identifier** Formic acid 98%

Substance / mixturesubstanceChemical nameFORMIC ACIDCAS number64-18-6Index number607-001-00-0EC (EINECS) number200-579-1

Registration number 01-2119491174-37-xxxx

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

Substance's intended use

Chemical production, analytical chemistry, laboratory synthesis, industrial applications.

### Substance uses advised against

The product should not be used in ways other then those referred in Section 1.

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

**Supplier** 

Name or trade name Ing. Petr Švec - PENTA s.r.o.
Address Radiová 1122/1, Praha 10, 102 00

Czech Republic

Identification number (CRN)

VAT Reg No

Phone

C202096013

+420 226 060 681

E-mail

Web address

Www.pentachemicals.eu

www.pentachemicals.eu

Competent person responsible for the safety data sheet

Name Ing. Petr Švec - PENTA s.r.o. E-mail info@pentachemicals.eu

### 1.4. Emergency telephone number

European emergency number: 112 112

### **SECTION 2: Hazards 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.

Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 Acute Tox. 3, H331

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

# Most serious adverse physico-chemical effects

Flammable liquid and vapour.

# Most serious adverse effects on human health and the environment

Harmful if swallowed. Toxic if inhaled. Causes serious eye damage. Causes severe skin burns and eye damage.



# **SAFETY DATA SHEET**

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

# Formic acid 98%

Creation date 28th April 2019 Revision date 03rd May 2023

Version 4.0

### 2.2. Label elements

# **Hazard pictogram**







### Signal word

Danger

### **Dangerous substance**

FORMIC ACID

(Index: 607-001-00-0; CAS: 64-18-6)

**Hazard statements** 

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H331 Toxic if inhaled.

**Precautionary statements** 

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P260 Do not breathe vapours.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a doctor.

**Supplemental information** 

EUH071 Corrosive to the respiratory tract.

### 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.



# SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended Formic acid 98% Creation date 28th April 2019 Revision date 03rd May 2023 Version 4.0

# **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
Index: 607-001-00-0 CAS: 64-18-6 EC: 200-579-1 Registration number: 01-2119491174-37- xxxx	substance main component FORMIC ACID	>98	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 Acute Tox. 3, H331 EUH071 Specific concentration limit: Skin Irrit. 2, H315: $2\% \le C < 10\%$ Eye Irrit. 2, H319: $2\% \le C < 10\%$ Skin Corr. 1A, H314: $C \ge 90\%$ Skin Corr. 1B, H314: $10\% \le C < 90\%$	1, 2

### Notes

- Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
- 2 A substance for which exposure limits are set.

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. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

### If on skin

Remove contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse cautiously with water for several minutes. Rinse skin with water or shower.

### If in eyes

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.



	SAFETY	DATA SHEET		
	according to Regulation (E	C) No 1907/2006 (REACH) a	as amended	
	Form	ic acid 98%		
Creation date	28th April 2019			
Revision date	03rd May 2023	Version	4.0	

### If swallowed

INDUCE VOMITING! Vomiting should be induced in the person only if conscious, within 1 hour from ingestion. If in doubt whether vomiting should be induced, contact the Toxicological Information Centre and give information about the substances or composition of the product as provided on the original packaging or in the safety data sheet of the product. FOLLOWING INGESTION OF TOXIC OR HIGHLY TOXIC SUBSTANCES, GIVE 10-20 CRUSHED TABLETS OF ACTIVATED CARBON, MIXED IN WATER, WITHIN NO LATER THAN 5 MINUTES - irrespective of whether vomiting could be induced. Call medical rescue service.

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

#### If inhaled

Inhaling vapours can cause corrosion of the breathing system.

#### If on skin

Causes severe skin burns.

#### If in eyes

Causes serious eye damage.

### If swallowed

Corrosion of the digestion system can occur.

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

Symptomatic treatment.

### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

## Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

# 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. Closed containers with the product near the fire should be cooled with water. 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

Provide sufficient ventilation. The substance is flammable. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. 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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

### 6.4. Reference to other sections

See the Section 7, 8 and 13.



SAFETY DATA SHEET						
	according to Regulation (E	C) No 1907/2006 (REACH) a	as amended			
	Formic acid 98%					
Creation date	28th April 2019					
Revision date	03rd May 2023	Version	4.0			

### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. No smoking. Wash hands and exposed parts of the body thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges.

### 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. Do not expose to sunlight. Do not expose to temperatures exceeding 25°C. Store locked up. Keep container tightly closed. Keep cool.

storage class 8A - Combustible corrosive substances

### The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

### 7.3. Specific end use(s)

not available

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

### 8.1. Control parameters

### European Union

# Commission Directive 2006/15/EC

Substance name (component)	Туре	Value
EODMIC ACID (CAC. 64.19.6)	OEL 8 hours	9 mg/m <sup>3</sup>
FORMIC ACID (CAS: 64-18-6)	OEL 8 hours	5 ppm

### **DNEL**

### FORMIC ACID

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	9.5 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Inhalation	9.5 mg/m <sup>3</sup>	Chronic effects local		
Consumers	Inhalation	3 mg/m <sup>3</sup>			
Consumers	Inhalation	3 mg/m <sup>3</sup>	Chronic effects local		
Workers	Inhalation	19 mg/m <sup>3</sup>	Acute effects systemic		
Consumers	Inhalation	9.5 mg/m <sup>3</sup>	Acute effects systemic		

### PNEC

### FORMIC ACID

Route of exposure	Value	Value determination	Source
Freshwater environment	2 mg/l		
Marine water	0.2 mg/l		
Freshwater sediment	13.4 mg/kg		
Sea sediments	1.34 mg/kg		
Soil (agricultural)	1.5 mg/kg		



# SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended Formic acid 98% Creation date 28th April 2019 Revision date 03rd May 2023 Version 4.0

### 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. 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 insulating breathing apparatus when the exposition limits of the substances are exceeded or at the place with insufficient ventilation.

### 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 liquid
Colour colourless
Odour characteristic
Melting point/freezing point >4 °C
Boiling point or initial boiling point and boiling range 101 °C

Flammability data not available

Lower and upper explosion limit

bottom 38 % upper 12 % Flash point  $49,5 ^{\circ}\text{C}$ 

Auto-ignition temperature data not available Decomposition temperature data not available pH 2,2 (undiluted)
Kinematic viscosity data not available

Viscosity 1,7 mPa.s Solubility in water soluble

Partition coefficient n-octanol/water (log value) data not available Vapour pressure data not available

Density and/or relative density

Density 1,22 g/cm³
Relative vapour density data not available
Particle characteristics data not available

rm liquid

# 9.2. Other information

Evaporation rate data not available

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

The substance is flammable.

### 10.2. Chemical stability

The product is stable under normal conditions.



SAFETY DATA SHEET						
	according to Regulation (E	C) No 1907/2006 (REACH) a	as amended			
	Formic acid 98%					
Creation date	28th April 2019					
Revision date	03rd May 2023	Version	4.0			

### 10.3. Possibility of hazardous reactions

Unknown.

### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

# **SECTION 11: Toxicological information**

# 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data is available for the substance. Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time.

### **Acute toxicity**

Harmful if swallowed. Toxic if inhaled.

FORMIC ACID

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD50	730 mg/kg		Rat (Rattus norvegicus)	
Inhalation (vapor)	LC50	7.4 mg/l		Rat (Rattus norvegicus)	

### Skin corrosion/irritation

Causes severe skin burns and eye damage.

# Serious eye damage/irritation

Causes serious eye damage. Causes severe skin burns and eye damage.

# Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

# Germ cell mutagenicity

Based on available data the classification criteria are not met.

# Carcinogenicity

Based on available data the classification criteria are not met.

### 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



SAFETY DATA SHEET						
	according to Regulation (E	C) No 1907/2006 (REACH) a	as amended			
	Formic acid 98%					
Creation date	28th April 2019					
Revision date	03rd May 2023	Version	4.0			

### **Acute toxicity**

FORMIC ACID

Parameter	Value	Exposure time	Species	Environment
LC50	68 mg/l	96 hours	Fish (Leuciscus idus)	
EC50	32.19 mg/l	48 hours	Daphnia (Daphnia magna)	
EC50	35.64 mg/kg	72 hours	Algae (Selenastrum capricornutum)	

### 12.2. Persistence and degradability

## **Biodegradability**

Formic acid 98%

Parameter	Value	Exposure time	Environment	Result
				Easily biodegradable

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

UN 1779

# 14.2. UN proper shipping name

FORMIC ACID

### 14.3. Transport hazard class(es)

Corrosive substances

# 14.4. Packing group

II - substances presenting medium danger



# SAFETY DATA SHEET

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

# Formic acid 98%

Creation date 28th April 2019 Revision date 03rd May 2023

ate 03rd May 2023 Version 4.0

### 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

not relevant

### **Additional information**

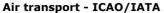
Hazard identification No. UN number

Classification code Safety signs **83 1779**CF1

8+3







Packaging instructions passenger 851
Cargo packaging instructions 855

Marine transport - IMDG

EmS (emergency plan) F-A, S-B MFAG 700

# **SECTION 15: Regulatory information**

### 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**

# A list of standard risk phrases used in the safety data sheet

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

H331 Toxic if inhaled.

### Guidelines for safe handling used in the safety data sheet

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P260 Do not breathe vapours.

P280 Wear protective gloves/protective clothing/eye protection/face protection.



# SAFETY DATA SHEET

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

### Formic acid 98%

Creation date 28th April 2019 Revision date 03rd May 2023

Version 4.0

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a doctor.

### A list of additional standard phrases used in the safety data sheet

EUH071 Corrosive to the respiratory tract.

### Other important information 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.

### Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by

road

BCF Bioconcentration Factor
CAS Chemical Abstracts Service

CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of

substance and mixtures

EC Identification code for each substance listed in EINECS

EC50 Concentration of a substance when it is affected 50% of the population EINECS European Inventory of Existing Commercial Chemical Substances

EmS Emergency plan EU European Union

EuPCS European Product Categorisation System IATA International Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying

**Dangerous Chemicals** 

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

LD<sub>50</sub> Lethal dose of a substance in which it can be expected death of 50% of the

population

log KowOctanol-water partition coefficientOELOccupational Exposure LimitsPBTPersistent, 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 Four-figure identification number of the substance or article taken from the UN

Model Regulations

UVCB Substances of unknown or variable composition, complex reaction products or

biological materials

VOC Volatile organic compounds

vPvB Very Persistent and very Bioaccumulative

Acute Tox. Acute toxicity
Eye Dam. Serious eye damage



# **SAFETY DATA SHEET**

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

# Formic acid 98%

Creation date 28th April 2019 Revision date 03rd May 2023

Version 4.0

Flam. Lig. Flammable liquid Skin Corr. Skin corrosion

### 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 10 June 2022. Changes were made in sections 2, 11, 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.