

SAFETY DATA SHEET

In accordance with Regulation (EC) No. 2020/878 of June 18, 2020 amending Annex II to Regulation No. 1907/2006 European Parliament and of the Council on the registration, evaluation, authorization and applicable restrictions on chemicals (REACH)


MIŚ laundry gel

Creation date	05th July 2023	Version	5.1 EU
Revision date			

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

- 1.1. Product identifier**
 Substance / mixture: MIŚ laundry gel mixture
 UFI: 7P9M-9C3S-G004-FYUG
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
 For washing in automatic washing machines and for hand washing.
Main intended use
 PC-DET-1.2 Laundry detergents - household use
Secondary uses
 PC-DET-1.3 Laundry detergents - professional or industrial use
Mixture uses advised against
 The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
 Name or trade name: P.W. ROKO Robert Komorniczak
 Address: ul. Wąska 23, Komorniki, 62-052 Poland
 Identification number (CRN): 632379987
 VAT Reg No: PL7810004269
 Phone: +48618107819
 E-mail: biuro@rokochemia.pl
 Web address: rokochemia.pl
Competent person responsible for the safety data sheet
 Name: P.W. ROKO Robert Komorniczak
 E-mail: biuro@rokochemia.pl
- 1.4. Emergency telephone number**
 European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008 The mixture is classified as dangerous.
 Skin Irrit. 2, H315
 Eye Irrit. 2, H319
 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 skin irritation. Causes serious eye irritation.
- 2.2. Label elements**
Hazard pictogram

Signal word
 Warning

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Hazardous substances

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P264 Wash hands and exposed parts of the body thoroughly after handling.
P280 Wear eye 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.
P310 Immediately call a doctor.
P321 Specific treatment (see additional first aid instructions on this label).

Supplemental information

5-<15 % anionic surfactants, 5-<15 % non-ionic surfactants, 5-<15 % soap, <5 % phosphonates, <5 % EDTA and salts thereof, perfumes, Methylchloroisothiazolinone, methylisothiazolone, 2-bromo-2-nitropropane 1,3 diol, colorant

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 61789-30-8 EC: 263-049-9	Fatty acids, coco, potassium salts	5-15	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
CAS: 68411-30-3 EC: 270-115-0 Registration number: 01-2119489428-22-XXXX	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	5-15	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	
CAS: 160901-19-9 EC: 500-457-0	Alcohols, C12-13, branched and linear, ethoxylated	<10	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C > 10 % Eye Irrit. 2, H319: C ≤ 10 %	
CAS: 68891-38-3 EC: 500-234-8 Registration number: 01-2119488639-16-XXXX	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	<5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Irrit. 2, H319: 5 % ≤ C < 10 % Eye Dam. 1, H318: C ≥ 10 %	

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

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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 inhaled

Terminate the exposure immediately; move the affected person to fresh air.

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

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. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

If swallowed

DO NOT INDUCE VOMITING - even the induced vomiting can cause complications as in case of detergents and other foaming substances.

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

If inhaled

Not expected.

If on skin

Causes skin irritation.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea.

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. 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

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.

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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. 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.

Content	Packaging type	Material of package
1 l	bottle	HDPE
2 l	jerry can	PE
5 l	jerry can	PE
20 l	jerry can	PE

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.

DNEL

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Dermal	2750 mg/kg	Chronic effects systemic		
Workers (0)	Inhalation	175 mg/m ³	Chronic effects systemic		
Consumers (0)	Dermal	1650 mg/kg bw/day	Chronic effects systemic		
Consumers (0)	Inhalation	52 mg/m ³	Chronic effects systemic		
Consumers (0)	Oral	15 mg/kg bw/day	Chronic effects systemic		

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Dermal	170 mg/kg bw	Chronic effects systemic		
Workers (0)	Inhalation	12 mg/m ³	Chronic effects systemic		
Consumers (0)	Dermal	85 mg/kg bw	Chronic effects systemic		
Consumers (0)	Oral	0.85 mg/kg bw	Chronic effects systemic		
Consumers (0)	Inhalation	3 mg/m ³	Chronic effects systemic		

PNEC

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Value	Value determination	Source
Drinking water	0.24 mg/l		
Marine water	0.024 mg/l		
Water (intermittent release)	0.071 mg/l		
Microorganisms in sewage treatment	10000 mg/l		
Freshwater sediment	0.9168 mg/kg		
Soil (agricultural)	7.5 mg/kg of dry substance of soil		

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Route of exposure	Value	Value determination	Source
Drinking water	0.268 mg/l		
Marine water	0.0268 mg/l		
Freshwater sediment	8.1 mg/kg		
Microorganisms in sewage treatment	3.43 mg/l		

8.2. Exposure controls

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.

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

It is not needed.

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	blue, yellow
color intensity	transparent
Odour	according to fragrance
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	100 °C
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	8,5-9,5 (undiluted at 20 °C)
Kinematic viscosity	not determined
Solubility in water	easily dissolvable in cold water
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1,00-1,05 g/cm ³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid: viscous

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

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10.2. Chemical stability

The product is stable under normal conditions.

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 mixture.

Acute toxicity

Based on available data the classification criteria are not met.

Alcohols, C12-13, branched and linear, ethoxylated

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀		300-2000 mg/kg		Rat (Rattus norvegicus)		
Skin	LD ₅₀		2000 mg/kg		Rabbit		

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀	OECD 401	>5000 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD ₅₀	OECD 402	>2000 mg/kg		Rat (Rattus norvegicus)		

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀		1080 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD ₅₀		>2000 mg/kg		Rat (Rattus norvegicus)		
Oral	LOAEL		250 mg/kg	28 days	Rat (Rattus norvegicus)		
Oral	NOAEL		125 mg/kg	28 days	Rat (Rattus norvegicus)		
Oral	LOAEL		115 mg/kg	6 months	Rat (Rattus norvegicus)		
Oral	NOAEC(P)		40 mg/kg	6 months	Rat (Rattus norvegicus)		
Oral	LOAEL		145 mg/kg	96 months	Rat (Rattus norvegicus)		
Oral	NOAEL		85 mg/kg	96 months	Rat (Rattus norvegicus)		

Fatty acids, coco, potassium salts

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
	LD ₅₀		>2000 mg/kg				

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Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		5720 mg/kg				Calculation of value

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

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 mixture does not contain substances with 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

Alcohols, C12-13, branched and linear, ethoxylated

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	1-10 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC ₅₀	OECD 202	1-10 mg/l		Daphnia (Daphnia magna)	
EC ₅₀	OECD 201	1-10 mg/l	72 hours	Algae (Selenastrum capricornutum)	

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	>10-100 mg/l	96 hours	Fish (Leuciscus idus)	

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Parameter	Method	Value	Exposure time	Species	Environment
EC ₅₀		29 mg/l	96 hours	Other aquatic organisms (Pseudokirchneriella subcapitata)	
EC ₅₀		2.9 mg/l	48 hours	Daphnia (Daphnia magna)	
LC ₅₀		2.4 mg/l	48 hours	Daphnia (Daphnia magna)	
LC ₅₀		1.67 mg/l	96 hours	Fish (Lepomis macrochirus)	

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Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Parameter	Method	Value	Exposure time	Species	Environment
NOEC		1.41 mg/l	21 days	Daphnia (Daphnia magna)	
NOEC		1 mg/l	28 days	Fish (Lepomis macrochirus)	
NOEC		0.23 mg/kg	72 days	Fish (Oncorhynchus mykiss)	

12.2. Persistence and degradability

Biodegradability

Alcohols, C12-13, branched and linear, ethoxylated

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301B	>60 %	28 days		Biodegradable

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Method	Value	Exposure time	Environment	Result
					Easily biodegradable

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Parameter	Method	Value	Exposure time	Environment	Result
		64.1 %	28 days		Biodegradable

Fatty acids, coco, potassium salts

Parameter	Method	Value	Exposure time	Environment	Result
					Easily biodegradable

The mixture is biodegradable.

12.3. Bioaccumulative potential

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	<1				

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

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

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.

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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
- 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**
not relevant

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. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as ammended. 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**
not available

SECTION 16: Other information

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

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P264	Wash hands and exposed parts of the body thoroughly after handling.
P280	Wear eye 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.
P310	Immediately call a doctor.
P321	Specific treatment (see additional first aid instructions on this label).

Other important information about human health protection

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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
EC ₅₀	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
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEL	Lowest observed adverse effect level
log Kow	Octanol-water partition coefficient
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
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	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
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Skin Irrit.	Skin irritation

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 5.1 PL replaces the SDS version from 13 June 2022. Changes were made in sections 2, 15 and 16.

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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.