

1

			C) No 1907/2006 (REACH) as	amended			
		Dib	utyl ether				
	on date	15th June 2018					
Revis	Revision date14th March 2023Version4.0						
SECT	ION 1: Identification	of the substance/mixture	e and of the company/und	ertaking			
1.1.	Product identifier		Dibutyl ether	-			
	Substance / mixture		substance				
	Chemical name		dibutyl ether				
	CAS number		142-96-1				
	Index number		603-054-00-9				
	EC (EINECS) number		205-575-3				
	Registration number		01-2119982240-42	-xxxx			
	Other substance nam	e					
	Butyl ether						
1.2. Relevant identified uses of the substance or mixture and uses advised against							
1.2.	Relevant luchtmeu	uses of the substance of	illixtule allu uses auviseu	ayamsı			
1.2.	Substance's intend		inixture and uses advised	ayanısı			
1.2.	Substance's intende	ed use	tory synthesis, industrial appl	-			
1.2.	Substance's intende	ed use analytical chemistry, labora		-			
1.2.	Substance's intend Chemical production, Substance uses adv	ed use analytical chemistry, labora vised against		lications.			
	Substance's intender Chemical production, Substance uses adv The product should no	ed use analytical chemistry, labora vised against	tory synthesis, industrial appl an those referred in Section 1	lications.			
	Substance's intender Chemical production, Substance uses adv The product should no	ed use analytical chemistry, labora vised against ot be used in ways other tha	tory synthesis, industrial appl an those referred in Section 1	lications.			
	Substance's intender Chemical production, Substance uses adv The product should ne Details of the suppl	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she	tory synthesis, industrial appl an those referred in Section 1	lications.			
	Substance's intende Chemical production, Substance uses adv The product should ne Details of the suppl Supplier	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she	tory synthesis, industrial appl an those referred in Section 1. e et	lications. NTA s.r.o.			
	Substance's intender Chemical production, Substance uses advector The product should no Details of the suppl Supplier Name or trade	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she	tory synthesis, industrial appl an those referred in Section 1 e et Ing. Petr Švec - PEI	lications. NTA s.r.o.			
1.2.	Substance's intender Chemical production, Substance uses advector The product should no Details of the suppl Supplier Name or trade	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she name	tory synthesis, industrial appl an those referred in Section 1 eet Ing. Petr Švec - PEI Radiová 1122/1, Pr	lications. NTA s.r.o.			
	Substance's intender Chemical production, Substance uses advert The product should ne Details of the suppl Supplier Name or trade of Address	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she name	tory synthesis, industrial appl an those referred in Section 1 eet Ing. Petr Švec - PEI Radiová 1122/1, Pr Czech Republic	lications. NTA s.r.o.			
	Substance's intender Chemical production, Substance uses advert The product should ne Details of the suppl Supplier Name or trade to Address Identification ne	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she name	tory synthesis, industrial appl an those referred in Section 1 set Ing. Petr Švec - PEI Radiová 1122/1, Pr Czech Republic 02096013	lications. NTA s.r.o.			
	Substance's intender Chemical production, Substance uses adw The product should ne Details of the suppl Supplier Name or trade of Address Identification ne VAT Reg No	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she name	tory synthesis, industrial appl an those referred in Section 1 set Ing. Petr Švec - PEI Radiová 1122/1, Pr Czech Republic 02096013 CZ02096013 +420 226 060 681	lications. NTA s.r.o. aha 10, 102 00			
	Substance's intender Chemical production, Substance uses adw The product should ne Details of the suppl Supplier Name or trade of Address Identification ne VAT Reg No Phone	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she name	tory synthesis, industrial appl an those referred in Section 1. eet Ing. Petr Švec - PEI Radiová 1122/1, Pr Czech Republic 02096013 CZ02096013 +420 226 060 681 info@pentachemica	lications. NTA s.r.o. aha 10, 102 00 Ils.eu			
	Substance's intender Chemical production, Substance uses adw The product should ne Details of the suppl Supplier Name or trade to Address Identification ne VAT Reg No Phone E-mail Web address	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she name umber (CRN)	tory synthesis, industrial appl an those referred in Section 1. set Ing. Petr Švec - PEI Radiová 1122/1, Pr Czech Republic 02096013 CZ02096013 +420 226 060 681 info@pentachemica www.pentachemica	lications. NTA s.r.o. aha 10, 102 00 Ils.eu			
	Substance's intender Chemical production, Substance uses adw The product should ne Details of the suppl Supplier Name or trade to Address Identification ne VAT Reg No Phone E-mail Web address	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she name	tory synthesis, industrial appl an those referred in Section 1. set Ing. Petr Švec - PEI Radiová 1122/1, Pr Czech Republic 02096013 CZ02096013 +420 226 060 681 info@pentachemica www.pentachemica	lications. NTA s.r.o. raha 10, 102 00 Ils.eu Ils.eu			
	Substance's intende Chemical production, Substance uses adw The product should ne Details of the suppl Supplier Name or trade Address Identification ne VAT Reg No Phone E-mail Web address Competent person	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she name umber (CRN)	tory synthesis, industrial appl an those referred in Section 1. set Ing. Petr Švec - PEI Radiová 1122/1, Pr Czech Republic 02096013 CZ02096013 +420 226 060 681 info@pentachemica www.pentachemica y data sheet Ing. Petr Švec - PEI	lications. NTA s.r.o. raha 10, 102 00 Ils.eu Ils.eu NTA s.r.o.			
	Substance's intender Chemical production, Substance uses adw The product should ne Details of the suppl Supplier Name or trade of Address Identification ne VAT Reg No Phone E-mail Web address Competent person of Name	ed use analytical chemistry, labora vised against ot be used in ways other tha lier of the safety data she name umber (CRN) responsible for the safety	tory synthesis, industrial appl an those referred in Section 1. set Ing. Petr Švec - PEI Radiová 1122/1, Pr Czech Republic 02096013 CZ02096013 +420 226 060 681 info@pentachemica www.pentachemica	lications. NTA s.r.o. raha 10, 102 00 Ils.eu Ils.eu NTA s.r.o.			

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 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412 **Most serious adverse physico-chemical effects** Flammable liquid and vapour.

Most serious adverse effects on human health and the environment

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.

Safety data sheet

		SAFETY	DATA SHEET	
		according to Regulation (EC) No 1907/2006 (REACH) a	as amended
			utyl ether	
Creation Revision		15th June 2018 14th March 2023	Version	4.0
	Label elements Hazard pictogram			
١	Signal word Warning Dangerous subst	ance		
	dibutyl ether (Index: 603-054-0	00-9; CAS: 142-96-1)		
I	Hazard statemer	nts		
ŀ	H226	Flammable liquid	•	
ŀ	H315	Causes skin irrita	tion.	
	H319	Causes serious e	e irritation.	
ŀ	H335	May cause respire	atory irritation.	
ŀ	H412	Harmful to aquat	ic life with long lasting effe	cts.
F	Precautionary st	atements		
F	P210	Keep away from I No smoking.	neat, hot surfaces, sparks,	open flames and other ignition sources.
F	P261	Avoid breathing p	oar/aerosolů.	
F	P280	Wear protective g	jloves.	
F	P305+P351+P338		e cautiously with water for and easy to do. Continue	several minutes. Remove contact 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.

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: 603-054-00-9 CAS: 142-96-1 EC: 205-575-3	substance main component dibutyl ether	≥99	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412 Specific concentration limit: STOT SE 3, H335: $C \ge 10 \%$	

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



SAFETY DATA SHEET

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

Dibutyl ether					
Creation date	15th June 2018				
Revision date	14th March 2023	Version	4.0		

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

If swallowed

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

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

If inhaled

May cause respiratory irritation.

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

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.

Water - full jet.



SAFETY DATA SHEET						
	according to Regulation (EC) No 1907/2006 (REACH) as amended					
	Dibutyl ether					
Creation date	Creation date 15th June 2018					
Levision date14th March 2023Version4.0						

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations. 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. 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. Avoid release to the environment.

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. Store locked up. Keep container tightly closed. Keep cool.

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

none

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. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. 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 (butyl rubber, Viton). 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.



		SAFETY D	ATA SHEET			
		according to Regulation (EC) No	o 1907/2006 (REACH) a	as amended		
Dibutyl ether						
	on date	15th June 2018				
Revisio	on date	14th March 2023	Version	4.0		
	Respiratory p Halfmask with a	r otection a filter against organic vapours in the l	poorly ventilated enviro	onment.		
	Thermal haza		,			
	Not available.					
		l exposure controls				
	Observe usual i	measures for protection of the environ	ment, see Section 6.2.			
SECTI		and chomical properties				
9.1.	-	and chemical properties n basic physical and chemical proj	perties			
	Physical state		liquid			
	Colour		colourless			
	Odour		data not available	e		
	Melting point/fr	eezing point	-95 °C			
	Boiling point or	initial boiling point and boiling range	139-142 °C			
	Flammability		data not available	e		
	Lower and upper explosion limit					
	bottom		0.9 %			
	upper		8.5 %			
	Flash point Auto-ignition temperature		25 °C data not available			
	Decomposition	temperature	data not available			
	pH Kinematia visaa	-ih /	data not available			
	Kinematic visco		data not available data not available			
	Solubility in wa	ient n-octanol/water (log value)	3.21	e		
	Vapour pressur		0.5 kPa at 20 °C			
	· ·	relative density	0.5 Kid dt 20 C			
	Density		0.767 g/cm ³ at 2	20 °C		
	Relative vapour	density	data not available			
	Particle charact		data not available			
	Form		liquid			
9.2.	Other informa	tion	·			
	not available					
		y and reactivity				
10.1.	Reactivity The substance i	is flammable				
10.2.	Chemical stab					
10.2.		stable under normal conditions.				
10.3.	•	hazardous reactions				
	Unknown.					
10.4.	Conditions to	avoid				
			ler normal use. Protect	t against flames, sparks, overheating and		
10.5.	-	materials				
	-	strong acids, bases and oxidizing age	nts.			
10.6.	-	composition products				
	Not developed		nes such as carbon mo	onoxide and carbon dioxide are formed a		



SAFETY DATA SHEET

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

Dibutyl etherCreation date15th June 2018Revision date14th March 2023Version4.0

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.

Acute toxicity

Based on available data the classification criteria are not met.

dibutyl ether							
Route of exposure	Parameter	Value	Exposure time	Species	Sex		
Oral	LD50	7400 mg/kg		Rat (Rattus norvegicus)			
Dermal	LD50	7640 mg/kg		Rabbit			

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

not available

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

May cause respiratory irritation.

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

- Harmful to aquatic life with long lasting effects.
- 12.2. Persistence and degradability
 - not available

12.3. Bioaccumulative potential



SAFETY DATA SHEET

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

	according to Regulation (EC) No 1907/2006 (REACH) as amended						
Dibutyl ether							
Creatio	on date	15th June 2018					
Revision date		14th March 2023	Version	4.0			
12.4. 12.5.	Not available. Results of PBT a	nd vPvB assessment					
		contain any substance meeting o 1907/2006 (REACH) as amen		vB in accordance with th	e Annex XIII of		

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

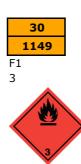
- UN 1149 14.2. UN proper shipping name
- DIBUTYL ETHERS
- 14.3. Transport hazard class(es)3 Flammable liquids
- 14.4. Packing group
 - III
- **14.5.** Environmental hazards not relevant
- **14.6.** Special precautions for user Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments not relevant

Additional information

Hazard identification No.

UN number Classification code Safety signs





SAFETY DATA SHEET					
	according to Regulation	(EC) No 1907/2006 (REACH) a	as amended		
	D	bibutyl ether			
Creation date	15th June 2018	-			
Revision date	14th March 2023	Version	4.0		
Tunnel restriction code		(D/E)			
Air transport	- ICAO/IATA				
Packaging instructions passenger		355			
Cargo packaging instructions		366			
Marine trans	port - IMDG				
EmS (eme	ergency plan)	F-E, S-D			

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 not been carried out.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet H226 Flammable liquid and vapour.

	· · · · · · · · · · · · · · · · · · ·		
H315	Causes skin irritation.		
H319	Causes serious eye irritation.		
H335	May cause respiratory irritation.		
H412	Harmful to aquatic life with long lasting effects.		
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.		
P261	Avoid breathing par/aerosolů.		
P280	Wear protective gloves.		
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
Other important information	about human health protection		
	ess specifically approved by the manufacturer/importer - used for purposes other than is responsible for adherence to all related health protection regulations.		
Key to abbreviations and ac	ronyms 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		
EINECS	European Inventory of Existing Commercial Chemical Substances		
EmS	Emergency plan		
EU	European Union		
EuPCS	European Product Categorisation System		
ΙΑΤΑ	International Air Transport Association		
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals		

Safety data sheet

SAFETY DATA SHEET

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

	Dib	utyl ether				
Creation date	15th June 2018					
Revision date	14th March 2023	Version	4.0			
ICAO	International Civi	Aviation Organization				
IMDG	International Mar	itime Dangerous Goods				
IMO	International Maritime Organization					
INCI	INCI International Nomenclature of Cosmetic Ingredients					
ISO	International Org	anization for Standardizat	ion			
IUPAC	International Unio	on of Pure and Applied Che	emistry			
LD50	Lethal dose of a s population	substance in which it can b	be expected death of 50% of the			
log Kow	Octanol-water pa	rtition coefficient				
OEL	Occupational Exp	osure Limits				
PBT	Persistent, Bioaco	umulative and Toxic				
ppm	pm Parts per million					
REACH	Registration, Eva	uation, Authorisation and	Restriction of Chemicals			
RID	Agreement on the	e transport of dangerous g	goods by rail			
UN	Four-figure identi Model Regulation		ostance or article taken from the UN			
UVCB	Substances of un biological materia		ition, complex reaction products or			
VOC	Volatile organic o	ompounds				
vPvB	Very Persistent a	nd very Bioaccumulative				
Aquatic Chronic	Hazardous to the	aquatic environment (chr	onic)			
Eye Irrit.	Eye irritation					
Flam. Liq.	Flammable liquid					
Skin Irrit.	Skin irritation					
STOT SE	Specific target or	gan toxicity - single expos	sure			
Training guideline	es					
	el about the recommended wa	ays of use, mandatory pro	ptective equipment, first aid and prohibited			
Recommended re	strictions 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 20 January 2022. Changes were made in sections 1, 2, 13, 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.