Multi-component Standard Solution for Ion Chromatography.
6 Components in water

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: CM8933
Issue date: 16/06/2014 Revision date: 07/01/2025 Supersedes version of: 18/12/2017 Version: 1.2

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

1.1. Product identifier

Product form : Mixture
Product name : Multi-component Standard Solution for Ion Chromatography. 6 Components in water
Product code : CM8933

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

Relevant identified uses

Main use category : Professional use
Function or use category : Laboratory chemicals

1.3. Details of the supplier of the safety data sheet

Spectracer UK Ltd.
20 Seymour Mews,
London,
W1H 6BQ,
United Kingdom.

Tel: +44 (0) 207 193 9114
Fax:+44 (0) 203 432 4686
Email: contact@spectracer.com
Web: www.spectracer.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	ammonium dihydrogen phosphate (7722-76-1)(1), ammonium sulphate (7783-20-2)(1), sodium nitrate (7631-99-4)(1)

Component	
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	ammonium dihydrogen phosphate (7722-76-1)(1), ammonium sulphate (7783-20-2)(1), sodium nitrate (7631-99-4)(1)

(1) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ammonium dihydrogen phosphate	CAS-No.: 7722-76-1 EC-No.: 231-764-5	0.05 – 0.1	Not classified
sodium fluoride	CAS-No.: 7681-49-4 EC-No.: 231-667-8 EC Index-No.: 009-004-00-7	< 0.05	Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Irrit. 2, H319
sodium chloride	CAS-No.: 7647-14-5. EC-No.: 231-598-3 REACH-no: 01-2119485491-33-XXXX	< 0.05	Eye Irrit. 2, H319
ammonium sulphate	CAS-No.: 7783-20-2 EC-No.: 231-984-1	< 0.05	Not classified
sodium nitrate	CAS-No.: 7631-99-4 EC-No.: 231-554-3	< 0.05	Ox. Sol. 3, H272 Eye Irrit. 2, H319

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.
First-aid measures for first aider : First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : None under normal conditions.
Symptoms/effects after ingestion : None under normal conditions.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep cool. Protect from sunlight.
Packaging materials : Store always product in container of same material as original container.

Germany

Storage class (LGK, TRGS 510) : LGK 12 - Non-combustible liquids
Joint storage table :

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for : LGK 1, LGK 6.2, LGK 7
Joint storage with restrictions permitted for : LGK 4.1A, LGK 4.3, LGK 5.1C
Joint storage permitted for : LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

sodium chloride (7647-14-5.)	
Latvia - Occupational Exposure Limits	
Local name	Nātrijahlorīds
OEL TWA	5 mg/m³
Lithuania - Occupational Exposure Limits	
Local name	Natrio chloridas
IPRV (OEL TWA)	5 mg/m³

sodium fluoride (7681-49-4)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Fluorides, inorganic
IOEL TWA	2.5 mg/m³
Austria - Occupational Exposure Limits	
Local name	Fluoride und Fluorwasserstoff bei gleichzeitigem Vorkommen beider Stoffe
MAK (OEL TWA)	2.5 mg/m³
MAK (OEL STEL)	5 mg/m³
Denmark - Occupational Exposure Limits	
Local name	Fluorider, undtagen de andetsteds i listen nævnte, beregnet som F
OEL TWA	2.5 mg/m³
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Fluoride (als Fluor berechnet)
AGW (OEL TWA)	1 mg/m³ E (mg/m3)

sodium fluoride (7681-49-4)	
Remark	DFG,Y,H
Greece - Occupational Exposure Limits	
OEL TWA	2.5 mg/m³
Ireland - Occupational Exposure Limits	
Local name	Fluorides, inorganic
OEL TWA	2.5 mg/m³
Malta - Occupational Exposure Limits	
Local name	Fluorides,inorganic
OEL TWA	2.5 mg/m³
Netherlands - Occupational Exposure Limits	
Local name	Fluoriden, anorganisch en oplosbaar (als F)
TGG-15min (OEL STEL)	2 mg/m³
Poland - Occupational Exposure Limits	
Local name	Fluorki w przeliczeniu na F-
NDS (OEL TWA)	0.33 mg/m³
Sweden - Occupational Exposure Limits	
Local name	Fluorides (as F)
NGV (OEL TWA)	2 mg/m³
United Kingdom - Occupational Exposure Limits	
Local name	Fluoride
WEL TWA (OEL TWA)	2.5 mg/m³ (inorganic as F)
Norway - Occupational Exposure Limits	
Local name	Uorganiske fluorider (beregnet som F)
Grenseverdi (OEL TWA)	0.5 mg/m³
Switzerland - Occupational Exposure Limits	
Local name	Fluoride (als F berechnet)
MAK (OEL TWA)	1 mg/m³
KZGW (OEL STEL)	4 mg/m³
Remark	e(mg/m^3) - H B SS_C - Knochen^{KT} - HSE, NIOSH, OSHA

ammonium sulphate (7783-20-2)	
Bulgaria - Occupational Exposure Limits	
Local name	Амониев сулфат
OEL TWA	10 mg/m³
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 28 от 2024 г., в сила от 05.04.2024 г.)

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:
Avoid all unnecessary exposure. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.
Personal protective equipment symbol(s):

Eye and face protection

Eye protection:
Safety glasses

Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Protective gloves

Respiratory protection

Respiratory protection:
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Not available
Odour	:	Not available
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Non flammable.
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	Not available
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	Not available
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	1.01

Relative vapour density at 20°C : Not available
Particle characteristics : Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

sodium chloride (7647-14-5.)	
LD50 oral rat	3000 mg/kg (Rat; Experimental value; 3550 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Experimental value)

sodium fluoride (7681-49-4)	
LD50 oral rat	97.7 mg/kg

ammonium dihydrogen phosphate (7722-76-1)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 5 mg/l/4h

ammonium sulphate (7783-20-2)	
LD50 oral rat	2840 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight

sodium nitrate (7631-99-4)	
LD50 oral rat	3430 mg/kg

sodium nitrate (7631-99-4)	
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 5 mg/l

Skin corrosion/irritation : Not classified

sodium chloride (7647-14-5.)	
pH	6 – 7 (6 %; 7.0 - 10.0; 31.7 %; 20 °C)

sodium fluoride (7681-49-4)	
pH	7.4

ammonium dihydrogen phosphate (7722-76-1)	
pH	3.6 – 4 (1 %)

ammonium sulphate (7783-20-2)	
pH	5.5 (1.3 %)

sodium nitrate (7631-99-4)	
pH	8 – 9 (100 g/l)

Serious eye damage/irritation : Not classified

sodium chloride (7647-14-5.)	
pH	6 – 7 (6 %; 7.0 - 10.0; 31.7 %; 20 °C)

sodium fluoride (7681-49-4)	
pH	7.4

ammonium dihydrogen phosphate (7722-76-1)	
pH	3.6 – 4 (1 %)

ammonium sulphate (7783-20-2)	
pH	5.5 (1.3 %)

sodium nitrate (7631-99-4)	
pH	8 – 9 (100 g/l)

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

sodium fluoride (7681-49-4)	
IARC group	3 - Not classifiable

ammonium sulphate (7783-20-2)	
NOAEL (chronic, oral, animal/male, 2 years)	256 mg/kg bodyweight rat
NOAEL (chronic, oral, animal/female, 2 years)	284 mg/kg bodyweight rat

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

sodium nitrate (7631-99-4)	
NOAEL (oral, rat, 90 days)	≥ 1500 mg/kg bodyweight

Aspiration hazard : Not classified

sodium nitrate (7631-99-4)	
Viscosity, kinematic	1.261 mm²/s

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

sodium chloride (7647-14-5.)	
LC50 - Fish [2]	5840 mg/l (LC50; ASTM; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value)
Threshold limit - Algae [2]	2430 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 120 h; Algae; Static system; Fresh water; Experimental value)

sodium fluoride (7681-49-4)	
LC50 - Fish [1]	107.5 mg/l Fluorine (F-)
EC50 - Crustacea [1]	98 mg/l

ammonium dihydrogen phosphate (7722-76-1)	
LC50 - Fish [1]	85.9 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna (Water flea)

ammonium sulphate (7783-20-2)	
LC50 - Fish [1]	53 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	169 mg/l Daphnia magna (Water flea)

sodium nitrate (7631-99-4)	
LC50 - Fish [1]	> 100 mg/l Oncorhynchus mykiss (Rainbow trout)

12.2. Persistence and degradability

Multi-component Standard Solution for Ion Chromatography. 6 Components in water	
Persistence and degradability	Rapidly degradable

sodium chloride (7647-14-5.)	
Persistence and degradability	Biodegradability: Not applicable, No (test)data available on mobility of the substance.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

sodium fluoride (7681-49-4)	
Persistence and degradability	Rapidly degradable

ammonium dihydrogen phosphate (7722-76-1)	
Persistence and degradability	Rapidly degradable

ammonium sulphate (7783-20-2)	
Persistence and degradability	Rapidly degradable

sodium nitrate (7631-99-4)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

sodium chloride (7647-14-5.)	
Partition coefficient n-octanol/water (Log Pow)	-3 (Calculated)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).

sodium fluoride (7681-49-4)	
BCF - Fish [1]	2.3
Partition coefficient n-octanol/water (Log Pow)	-0.77
Bioaccumulative potential	Not bioaccumulative.

ammonium sulphate (7783-20-2)	
Partition coefficient n-octanol/water (Log Pow)	-5.1

sodium nitrate (7631-99-4)	
Partition coefficient n-octanol/water (Log Pow)	-3.8

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	ammonium dihydrogen phosphate (7722-76-1)(1), ammonium sulphate (7783-20-2)(1), sodium nitrate (7631-99-4)(1)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	ammonium dihydrogen phosphate (7722-76-1)(1), ammonium sulphate (7783-20-2)(1), sodium nitrate (7631-99-4)(1)

(1) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not dangerous goods in terms of transport regulations				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

Inland waterway transport
Not regulated

Rail transport
Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	**Applicable on**	**Entry title or description**
65.	ammonium dihydrogen phosphate ; ammonium sulphate	Inorganic ammonium salts

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items: Sodium fluoride (7681-49-4).

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
ANNEX II REPORTABLE EXPLOSIVES PRECURSORS
List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported within 24 hours.

Name	CAS-No.	Combined Nomenclature code (CN)	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Sodium nitrate	7631-99-4	3102 50 00	ex 3824 99 96

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

France

Occupational diseases	
Code	Description
RG 32	Occupational disorders caused by fluoride, hydrofluoric acid and its mineral salts
RG 78	Diseases caused by sodium chloride in salt mines and their dependencies

Germany

VOC ordinance (ChemVOCFarbV) :

Water hazard class (WGK)	:	WGK nwg, Non-hazardous to water (Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)).
Hazardous Incident Ordinance (12. BImSchV)	:	Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category	:	Not determined
SZW-lijst van kankerverwekkende stoffen	:	None of the components are listed
SZW-lijst van mutagene stoffen	:	None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	:	None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	:	None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	:	None of the components are listed

Poland

Polish National Regulations	:	Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225). Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797). The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended). Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923). Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154). Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended). The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488) Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended). Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141). ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

Section	Changed item	Comments
4.1	First-aid measures for first aider	**Added**
4.1	First-aid measures general	**Added**
4.2	Symptoms/effects after skin contact	**Added**
4.2	Symptoms/effects after inhalation	**Added**
4.2	Symptoms/effects after ingestion	**Added**
4.2	Symptoms/effects after eye contact	**Added**
5.1	Unsuitable extinguishing media	**Added**

Indication of changes		
Section	**Changed item**	**Comments**
5.2	Fire hazard	**Added**
5.2	Explosion hazard	**Added**
5.3	Firefighting instructions	**Added**
6.1	Emergency procedures	**Added**
6.1	Protective equipment	**Added**
6.1	General measures	**Added**
6.3	For containment	**Added**
7.1	Additional hazards when processed	**Added**
7.2	Technical measures	**Added**
7.2	Packaging materials	**Added**
7.2	Storage conditions	**Modified**
8.2	Appropriate engineering controls	**Modified**
8.2	Personal protective equipment	**Modified**
9	Flammability	**Modified**
13.1	Product/Packaging disposal recommendations	**Added**
13.1	Sewage disposal recommendations	**Added**
13.1	Additional information	**Added**
13.1	Regional waste regulation	**Added**
15.1	REACH Annex XVII	**Added**
16	Abbreviations and acronyms	**Added**

Abbreviations and acronyms:	
ACGIH	American Conference of Government Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number

Abbreviations and acronyms:	
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

Full text of H- and EUH-statements:	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Ox. Sol. 3	Oxidising Solids, Category 3

Full text of H- and EUH-statements:	
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H272	May intensify fire; oxidiser.
H301	Toxic if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.