

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Version: 1.1
Issue date: 03.04.2003
Revision date: 01.07.2021

Sodium cyanide (NaCN)

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

1.1 Product identifier

Chemical name/ trade name: **Sodium cyanide**
 INCI name: Sodium cyanide
Substance / mixture: **Substance**
 CAS No: 143-33-9
 EC No: 205-599-4
 Registration number: 01-2119480141-49-0005

Producer: **Lučební závody Draslovka a.s. Kolín**
 Address: **Kolín, 28002, Havlíčkova 605**

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

Intended use: Synthesis of Chemical and Pharmaceutical Intermediates
 Formulation of Chemical Products
 Cleaning and Degreasing in Metal Finishing Industries
 Depressing Agent
 Extraction Agent of Precious Metals
 Recycling of Precious Metals
 Electroplating
 Metal Hardening

Uses advised against: **Use is limited to the above**

1.3 Details of the supplier of the safety data sheet

Supplier of SDS: Lučební závody Draslovka a.s. Kolín
 Address: Havlíčkova 605, 280 02 Kolín, Czech Republic
 Identification No.: 46 35 73 51
 Tel: +420 321 335 281
 www: www.draslovka.cz
 Responsible person for this SDS: sds@draslovka.cz

1.4 Emergency telephone number

National Poison Information Service
 111
 +44-8454647
 Toxikologické informační středisko, Na Bojišti 1, Praha
 (continuously) +420-224919293
 +420-224915402
 Information for Health Risks - acute poisoning people and animals
The toxicological center is different according to the country of use.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to the EC Regulation No. 1272/2008 (CLP) + based on test / CSR results:

Corrosive to metals, category 1, H290 May be corrosive to metals.
 Acute Toxicity, category 1, H300/310/330 Fatal if swallowed, in contact with skin or if inhaled.

Skin irritation, category 2, H315 Causes skin irritation.
 Eye irritation, category 2, H319 Causes serious eye irritation.
 Target organ toxicity (repeated exposure), category 1, H372 Causes damage to organs (thyroid gland) through prolonged or repeated exposure; oral, dermal, inhalation.
 Acute aquatic toxicity, category 1, H400 Very toxic to aquatic life.
 Chronic (long term) aquatic hazard, category 1, H410 Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Name: Sodium cyanide
 CAS: 143-33-9

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

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Version: 1.1
Issue date: 03.04.2003
Revision date: 01.07.2021

Sodium cyanide (NaCN)

Hazard pictogram(s):



Signal word(s):

DANGER

Hazard statement(s):

H290 May be corrosive to metals.
H300/310/330 Fatal if swallowed, in contact with skin or if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H372 Causes damage to organs (thyroid gland) through prolonged or repeated exposure; oral, dermal, inhalation.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s):

P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective nitrile gloves, protective clothing and eye protection.
P301/310 IF SWALLOWED: Immediately call a doctor.
P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403/233 Store in a well ventilated place. Keep container tightly closed.

Supplemental information:

EUH032 Contact with acids liberates very toxic gas (hydrogen cyanide).

2.3 Other hazards

Based on the results of the assessment, this substance is not PBT or vPvB

This product does not contain a substance considered to be SVHC.

This substance does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Name of the component	Content (weight %)	CAS EINECS Index N° Reg. Number	Specific concentr. limits, Multiplication factors; ATE	Harmonized classification / classification according to Regulation (EC) No 1278/2008 (CLP)	
Sodium cyanide	98 - 100	143-33-9 205-599-4 01-2119480141-49-0005	-	Acute Tox. 2 * Acute Tox. 1 Acute Tox. 2 * Aquatic Acute 1 Aquatic Chronic 1	H330 H310 H300 H400 H410
Sodium hydroxide	0.06 - 0.8	1310-73-2 215-185-5 011-002-00-6 01-2119457892-27-0000	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit.2; H319: 0,5 % ≤ C < 2 %	Skin Corr. 1A	H314

For full text of H-statements see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:

Speed is essential! Obtain medical help immediately!

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Version: 1.1
Issue date: 03.04.2003
Revision date: 01.07.2021

Sodium cyanide (NaCN)

Inhalation:	Remove exposed person to fresh air. If not breathing ensure airway is clear and commence cardiopulmonary resuscitation (CPR). Avoid mouth to mouth contact and use eg. mouth to mask ventilation with one way valve, sacs for artificial lung ventilation, etc. to exhaust victim's exhaled air away from rescuer. Commence administration of oxygen as soon as possible. Administration of oxygen should be maintained until transfer to the care of a paramedic or doctor. Obtain medical help immediately!
Skin contact:	Immediately remove contaminated clothing. Wash contaminated skin with large quantities of (preferably lukewarm) water. If poisoning symptoms appear, follow the above instructions for inhalation exposure. Obtain medical help immediately!
Eye contact:	Immediately flush eyes with large quantities of water for 10-15 minutes. While flushing, keep eyelids open even by using force. Obtain medical help immediately!
Ingestion:	Obtain medical help immediately! Ingestion of even small amounts is likely to be fatal unless treated rapidly.
Protection of first aiders:	Protect yourself and any casualty from further exposure during providing first aid (can be affected also the protective clothing). Wear specified PPE until test confirms no further risk from exposure.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Sore throat, nausea, anxiety, vomiting, cherry-red skin; during prolonged inhalation for 30 minutes nausea, vomiting, palpitations;
Skin contact: Nausea, anxiety, vomiting, cherry-red skin;
Eye contact: Eye reddening and burning, nausea, anxiety, vomiting, cherry-red skin;
Ingestion: Sore throat, nausea, anxiety, vomiting, cherry-red skin

4.3 Indication of any immediate medical attention and special treatment needed

Each group of operators must be equipped with a first-aid box, should any poisoning occur and the following items: - Antidote (Not all antidotes are internationally recommended. Consult your National Poison Control Centre for guidance.) Administration by a doctor!; - Resuscitator (bag valve mask); - **Oxygen**

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Non-combustible substance, fire-fighting measures are necessary to adapt according to conditions around. Powder, dry extinguishing agent, minimum water content.
Unsuitable extinguishing media: Direct water stream, foam, carbon dioxide because of the possibility of toxic hydrogen cyanide release.

5.2 Special hazards arising from the substance or mixture

During heating or in the case of fire there is possibility of toxic gases formation, mainly hydrogen cyanide (HCN). During contact with water leads to the release of hydrogen cyanide (HCN).

5.3 Advice for firefighters

Protective chemical wear and self-contained breathing apparatus (EN 137).

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

In case of accident it is necessary to wear a face mask with a B2 filter to ensure protection against HCN or equivalent (only in case of self-preservation); higher content requires the use of a self-contained breathing apparatus (EN 137) and protective chemical wear.

6.2 Environmental precautions

Do not rinse the spilled product with water. Prevent further leakage. Restrict the area. Prevent penetration of the substance into soil, water, sewerage. In case the substance gets into waterway or reservoir, inform consumers, cease their operation and use of water. Inform the competent local authorities.

6.3 Methods and material for containment and cleaning up

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Version: 1.1
Issue date: 03.04.2003
Revision date: 01.07.2021

Sodium cyanide (NaCN)

Remove the spilt dust (granules, tablets) mechanically with caution; remove it along with the contaminated soil and hand it over to authorized person to dispose.

6.4 Reference to other sections

See section 7, 8 a 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good exhaustion of the dust. Make sure that the workplace is ventilated and exhausted properly. Open the packaging units carefully and handle them with care.

7.2 Conditions for safe storage, including any incompatibilities

To be stored separately in original sealed packaging units in dry, cool, locked storerooms. The storage area must be free of acids and substances entering in acidic reactions, as they carry the risk of releasing strongly toxic hydrogen cyanide.

7.3 Specific end use(s)

See Exposure Scenario

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Substances with Community Exposure Limits: The national occupational exposure limit values that correspond to Union occupational exposure limit values in accordance with Directive (EC) 2017/164

Substance	CAS	Limit values		Note
		OEL (mg/m ³)	STEL (mg/m ³)	
Sodium cyanide (as cyanide)	143-33-9	1	5	D - during exposure significantly substances penetrates to the skin

DNEL:

Sodium cyanide (CAS: 143-33-9)

Exposed group and route of exposure	Duration of exposure	Type of effect	Unit	Value
Workers				
Inhalation	Short-term (acute)	systemic	mg/m ³	9,4
Dermal	Short-term (acute)	systemic	mg/kg _{bw/d}	3,03
Inhalation	Long-term (chronic)	systemic	mg/m ³	0.72
Dermal	Long-term (chronic)	systemic	mg/kg _{bw/d}	0.102
Consumers				

PNEC:

Sodium cyanide (CAS: 143-33-9)

Component of the environment	PNEC	Unit	Value
Water environment	Freshwater	PNEC _{water, fresh.}	µg/L
	Freshwater, occasional leakage	PNEC _{water, fresh.}	µg/L
	Freshwater sediment	PNEC _{sed., fresh.}	µg/kg _{sediment dw}
	Seawater	PNEC _{water, mar.}	µg/L
	Marine sediment	PNEC _{sed., mar.}	µg/kg _{sediment dw}
Microbiological activity	Wastewater treatment plant	PNEC _{sew. treat.}	µg/L
Terrestrial environment / organisms	Soil	PNEC _{soil}	µg/kg _{soil dw}

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Version: 1.1
Issue date: 03.04.2003
Revision date: 01.07.2021

Sodium cyanide (NaCN)

8.2 Exposure controls

Technical measures:

Technical measures and the use of appropriate working procedures take precedence over the use of PPE.

Individual protection measures - for workers in production plant

The workplace should be equipped with an equivalent number of anti-gas masks with a type B2 filter or equivalent, eg a combined filter A2B2E2K2P3D. Protective equipment must be selected depending on the concentration and amount of risk factors in the relevant building / activity. Provide staff training on the use of PPE to protect the respiratory tract, hands and eyes and face.

Respiratory protection:

Filter half-mask (EN 149 + A1) or respirator FFP2

Hand protection:

Gloves (eg KCL 732) (tested according to EN ISO 374-1); Thickness: 0.4 mm; Material: nitrile; Time of Penetration > 240 min.

Eye / face protection:

Basic employee training in combination with specific activity training (e.g. procedure for glove removal and disposal) for tasks where dermal protection is necessary.

Face shield or goggles (EN 166)

Skin protection:

Protective work clothes (EN 13688), protective boots (ISO 20 346).

Environmental exposure controls:

Avoid release of the product / substance to the environment by all available means. Section 6.2.

Individual protection measures - for other users

Protective equipment must be selected depending on the concentration and amount of risk factors in the relevant facility / activity.

See Exposure Scenarios

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Colour:	white
Odour:	<u>Odourless</u>
Odour threshold:	N/A
pH :	N/A
Melting point / freezing point (°C):	561.7 at 1.013 hPa
<u>Boiling point or initial boiling point and boiling range (°C):</u>	1500 at 1.013 hPa
Flash point (°C):	N/A
Evaporation rate:	N/A
Flammability (gases, liquids and solids):	non flammable
Lower and upper explosion limit:	non explosive
Vapour pressure (20 °C):	0,1 kPa at 800 °C. The vapour pressure of sodium cyanide is negligible.
Vapour pressure (50 °C):	No data available.
Relative vapour density:	Waiver
Density and/or relative density (g/cm ³ , 20 °C):	1.595
Solubility (20 °C):	370 g/L (water)
Partition coefficient n-octanol/water (log value):	Log Kow (Pow): -0.25 at 20 °C
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Kinematic viscosity:	N/A
Refractive index (20 °C):	No data available.
Oxidising properties:	No
Explosive properties:	Non explosive
Particle characteristics:	No data available.

9.2 Other information

VOC (%):

N.A.

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Version: 1.1
Issue date: 03.04.2003
Revision date: 01.07.2021

Sodium cyanide (NaCN)

Additional information: None

9.2.1 Information with regard to physical hazard classes

Corrosive to metals Corrosive to metals, category 1, H290 May be corrosive to metals.

9.2.2 Other safety characteristics:

Corrosiveness: Skin irritation, category 2, H315 Causes skin irritation.
Eye irritation, category 2, H319 Causes serious eye irritation.
Gas group: Is not relevant (solid)

SECTION 10: Stability and reactivity

- 10.1 Reactivity** Reaction with acids releases toxic hydrogen cyanide
- 10.2 Chemical stability** In a dry clean environment protected from air humidity.
- 10.3 Possibility of hazardous reactions** In contact with water and acids releases hydrogen cyanide, which creates explosive mixture with air.
- 10.4 Conditions to avoid** Acids. Its reactions with acids produce highly toxic hydrogen cyanide. It is extremely hygroscopic. In contact with water, it hydrolyzes to produce hydrogen cyanide.
- 10.5 Incompatible materials** Acids and water.
- 10.6 Hazardous decomposition products** Hydrogen cyanide - a highly toxic gas.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Individual components****Hydrogen cyanide (CAS: 74-90-8)**

Acute toxicity:

LC50 (inhalation, 4 hrs, rat): < 114 mg/m³

Sodium cyanide (CAS: 143-33-9)

Acute toxicity:

LD50 (oral, rat): 5.09 mg/kg bw
LD50 (dermal, rabbit): 11.28 mg/kg bw (wet skin; for dry skin 100 mg/kg bw)

Serious eye damage / irritation:

Due to high acute toxicity tests for eye irritation are not relevant. Nevertheless, statement H319 (Causes serious eye irritation.) added to the classification because of NaOH content as an impurity with possible concentration higher than 0.5% wg.

Skin corrosion / irritation:

Due to high acute toxicity tests for skin irritation are not relevant. Nevertheless, statement H315 (Causes skin irritation.) added to the classification because of NaOH content as an impurity with possible concentration higher than 0.5% wg.

Respiratory or skin sensitisation:

Due to high acute toxicity tests for respiratory or skin sensitisation are not relevant.

STOT - single exposure:

Based on available data, the classification criteria are not met.

STOT - repeated exposure:

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Sodium cyanide (NaCN)

Version: 1.1
Issue date: 03.04.2003
Revision date: 01.07.2021

route: oral:	NOAEL: 1.02 mg/kg bw/day	Target organs: glandular: thyroids
route: inhalation:	NOAEC: 3.75 mg/m ³	Target organs: glandular: thyroids

Carcinogenicity:

Based on available data, the classification criteria are not met.
There is insufficient evidence from chronic and subchronic animal studies, and from genetic testing and human surveys, to support classification of cyanide salts as carcinogens.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.
The results of reproductive toxicity studies indicate that cyanide compounds are not teratogens or reproductive toxicants.

Aspiration hazard:

Due to high acute toxicity tests are not relevant.

11.2 Information on other hazards

Endocrine disrupting properties

This substance does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

Other information:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Sodium cyanide (CAS: 143-33-9)

Toxicity	Result
Acute toxicity to fish	LC50 15,8 µg CN ⁻ /l
Acute toxicity to aquatic algae	LC50 15,8 µg CN ⁻ /l
Acute toxicity to Daphnia	LC50 15,8 µg CN ⁻ /l
Acute toxicity to bacteria	LC50 4,9 µg CN ⁻ /l

12.2 Persistence and degradability Hydrolysis half-life: 6.8 d at 30 °C.

12.3 Bioaccumulative potential BCF: 3.162 l/kg ww

12.4 Mobility in soil Data not available

12.5 Results of PBT and vPvB assessment According to CSR substance does not fulfill criteria as PBT nor vPvB.

12.6 Endocrine disrupting properties This substance does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

12.7 Other adverse effects Not known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Version: 1.1
Issue date: 03.04.2003
Revision date: 01.07.2021

Sodium cyanide (NaCN)

Catalogue No. of mixture waste: 06 03 11 solid salts and solutions containing cyanides
15 02 02 absorbents, filter materials (including oil filters not otherwise specified)
06 03 99 wastes not otherwise specified, cyanide debris
wiping cloths, protective clothing contaminated by dangerous substances
17 05 05 dredging spoil containing dangerous substances
15 01 10 packaging containing residues of or contaminated by dangerous substances

Waste codes / waste designations according to LoW:

Recommended procedure for mixture waste disposal: Solid residue is handed over to authorised person for thermal liquidation. Liquid residue and rinse water alkalinized with calcium hydroxide or sodium (potassium) hydroxide to pH 8 to 10 with an admixture of iron sulfate/iron sulfate heptahydrate (ten times the detected content of CN-) are transformed to ferrocyanide ([Fe(CN)6]4-) and are filtrated. The pasty mixture is then mixed with coal or another absorbing agent and together with filter material it is handed over to authorised person for professional liquidation. It is possible to dispose of liquid residue absorbed into soil using solution of potassium permanganate, sodium hypochlorite or hydrogen peroxide or it is handed over to authorized person for professional liquidation.




Recommended procedure for packaging disposal: PE bags and plastic package inserts to be handed over to authorised person for thermal liquidation. Metal packaging contaminated by cyanide must be rinsed properly and the water containing cyanide is then reclaimed as described above. Cleaned metal packagings are handed over to an authorised person for recycling.

Physical / chemical properties that may affect waste treatment method: See above

Sewage disposal-relevant information: Avoid release of contaminated water to sewerage. In case of surface or ground water contamination, immediately inform local fire unit and environmental authorities.

Other disposal recommendations: See above

SECTION 14: Transport information

	Type of transport	Land transport ADR/RID	Sea transport IMDG	Air Transport ICAO / IATA
14.1	<u>UN number or ID number</u>	1689	1689	1689
14.2	<u>UN proper shipping name</u>	SODIUM CYANIDE, SOLID	SODIUM CYANIDE, SOLID	SODIUM CYANIDE, SOLID
14.3	Transport hazard class(es)	6.1	6.1;P	6.1
	Classification code	66	-	-
	EmS	-	F-A, S-A	-
	Packaging instructions	P002 / IBC07	P002 / IBC07	(passanger/cargo) 666 / 673
	Labels	6.1	6.1	6.1
				
14.4	Packing group	I	I	I

14.5 Environmental hazards ADR, RID, ICAO / IATA: Yes, substance hazardous to environment | IMDG Code: Yes, marine pollutant.

IMDG: Marine Pollutant
1272/2008 CLP: Acute aquatic toxicity, category 1, H400
Chronic (long term) aquatic hazard, category 1, H410

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Sodium cyanide (NaCN)

Version: 1.1
Issue date: 03.04.2003
Revision date: 01.07.2021

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not specified.

Other information

Type of transport	Land transport ADR/RID	Sea transport IMDG	Air Transport ICAO / IATA
Limited quantities:	0	0	Forbidden
Excepted quantities:	E5	E5	E5
Transport category:	1	-	-
Tunnel restriction code:	(C/E)	-	-
Segregation group:	-	SGG6;SG35	-

SECTION 15: Regulatory information

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

all as amended and including implementing regulations:

Directive (EC) 2017/164 establishing a fourth list of indicative occupational exposure limit values

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

Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),...

Applicable national regulations.

15.2 Chemical safety assessment

See: Chemical Safety Report

SECTION 16: Other information

Complete text of all classifications and hazard classes referred to in SECTION 3

Hazard class:

Acute Tox. 1 - Acute Toxicity, category 1
Acute Tox. 2 - Acute Toxicity, category 2
Aquatic Acute 1 - Acute aquatic toxicity, category 1
Aquatic Chronic 1 - Chronic (long term) aquatic hazard, category 1
Skin Corr. 1B - Skin corrosion, category 1B

H-statements:

H300 Fatal if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Abbreviations:

ADR	Accord Dangereuses Route
ATE	Acute toxicity estimation
CAS	Chemical Abstracts Service
DNEL	Derived no-effect level
EC50	Effect concentration for 50%
EINECS	European Inventory of Existing Commercial Chemical Substances
IATA	International Air Transport Association
IC50	Inhibition concentration for 50%
ICAO	International Civil Aviation Organization
IL 50	Inhibition load for 50%
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration for 50%
LD50	Lethal dose for 50%
LOAEC	Lowest observable adverse effect concentration
LOAEL	Lowest observable adverse effect level
NEL	No effect level

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

Sodium cyanide (NaCN)

Version: 1.1
Issue date: 03.04.2003
Revision date: 01.07.2021

NOAEC	No observable adverse effect concentration
NOAEL	No observable adverse effect level
NOEC	No observable effect concentration
NOEL	No observable effect level
OEL	Occupational Exposure Limit (workplace exposure limit - 8 hours / shift)
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted no-effect concentration
RID	Regulations for the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limits
STEL	Short Term Exposure Limit (short exposure - corresponds to approx. 15 min.)
TT	Toxic threshold
VOC	Volatile organic substances
vPvB	Very persistent and very bioaccumulative

Changes in revisions are marked by underlining and highlighting.

Instructions for training:

SDS and training for manipulation with dangerous and flammable substances

Other information:

Disclaimer: The information stated in this SDS is given in good faith and considered correct but it is not presented as completely exhaustive and can be used as a lead only. Information in this document is based on the contemporary state of our knowledge and concern the product with regard to relevant safety regulations. It does not represent a guarantee of the product qualities. Lučební závody Draslovka a.s. Kolín does not bear responsibility for any damage resulting from handling or coming into contact with the above mentioned product.

The user is responsible for determining the suitability of the product for specific purposes and adapting security measures if such application is contrary to the manufacturer's recommendations.

This software-created revision No. 1.1 replaces the non-software-created revision of Safety data sheet of 02.03.2020.