

SAFETY DATA SHEET

PERKADOX 14-40B-PD

Version	Revision Date:	BY / EN	Date of last issue: 05.12.2022
1.3	03.05.2023		Date of first issue: 28.02.2018

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : PERKADOX 14-40B-PD

Manufacturer or supplier's details

Company : Nouryon Functional Chemicals B.V.
Haaksbergweg 88
NL 1101 BZ Amsterdam
Netherlands

Address : Haaksbergweg 88
Amsterdam 1101 BZ

Telephone : +31889840367

Emergency telephone number : 24 hours:+31 57 06 79211, US-CHEMTREC:1-800-424-9300,
CA-CANUTEC:1-613-996-6666, JP: +81 (836) 74 8810, CN: 化
学事故应急咨询电话 : +86 532 8388 9090-:
Nouryon Emergency Response Centre: +31 570 679211

Recommended use of the chemical and restrictions on use

Recommended use : Cross-linking agent

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable solids : Category 1

Organic peroxides : Type G

Long-term (chronic) aquatic hazard : Category 4

GHS-Labeling

Hazard pictograms :



Signal word : Danger

Hazard statements : H228 Flammable solid.
H413 May cause long lasting harmful effects to aquatic life.

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Precautionary statements : **Prevention:**
 P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
 P273 Avoid release to the environment.

Response:
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Disposal:
 P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Components

Chemical name	CAS-No.	Classification	MAC value mg/m ³ / TSEL value	Concentration (% w/w)
Di(tert-butylperoxyisopropyl)benzene	25155-25-3	Org. Perox.D; H242 Aquatic Chronic4; H413	No data available	>= 39 - <= 41
Silicon dioxide	7631-86-9		MPC d.a: 1 mg/m ³ 3rd class - moderate hazard, aerosol of predominantly fibrogenic action Data Source: BY MPC MPC m.s: 3 mg/m ³ 3rd class - moderate hazard, aerosol of predominantly fibrogenic action	>= 1 - <= 5

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			<p>Data Source: BY MPC</p> <p>MPC d.a: 2 mg/m³ 3rd class - moderate hazard, aerosol of predominantly fibrogenic action Data Source: BY MPC</p> <p>MPC m.s: 6 mg/m³ 3rd class - moderate hazard, aerosol of predominantly fibrogenic action Data Source: BY MPC</p> <p>MPC-TWA: 1 mg/m³ aerosols of predominantly fibrogenic action, Class 3 - Moderately dangerous Data Source: RU OEL</p> <p>MPC-STEL: 3 mg/m³ aerosols of predominantly fibrogenic action, Class 3 - Moderately dangerous Data Source: RU OEL</p> <p>MPC-TWA: 2 mg/m³ aerosols of predominantly fibrogenic action,</p>
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			Class 3 - Moderately dangerous Data Source: RU OEL MPC-STEL: 6 mg/m ³ aerosols of predominantly fibrogenic action, Class 3 - Moderately dangerous Data Source: RU OEL
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The following substances have multiple CAS-number

Silicon dioxide : 122945-52-2
 112926-00-8

For explanation of abbreviations see section 16.

4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
 Consult a physician.
 Show this safety data sheet to the doctor in attendance.
- If inhaled : If breathed in, move person into fresh air.
 If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
 Wash the skin immediately with soap and water.
- In case of eye contact : Rinse with plenty of water.
 Remove contact lenses.
 Protect unharmed eye.
 Keep eye wide open while rinsing.
 If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

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Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

Flammable properties

- Flash point : Not applicable
- Ignition temperature : Test method not applicable
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Flammability (solid, gas) : The substance or mixture is a flammable solid with the category 1.
- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : CAUTION: reignition may occur.
Supports combustion.
Water spray may be ineffective unless used by experienced firefighters.
Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous decomposition products formed under fire conditions.
- Hazardous combustion products : Fire will produce smoke containing hazardous combustion products (see section 10).
- Further information : Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and : Ensure adequate ventilation.
Remove all sources of ignition.

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|---|---|
| emergency procedures | Evacuate personnel to safe areas.
Only qualified personnel equipped with suitable protective equipment may intervene.
Prevent unauthorised persons entering the zone. |
| Environmental precautions | : Prevent product from entering drains.
Discharge into the environment must be avoided. |
| Methods and materials for containment and cleaning up | : Keep wetted with water.
Confinement must be avoided.
Pick up and arrange disposal without creating dust.
Collect in plastic container for disposal as hazardous waste.
Never return spills in original containers for re-use. |

7. HANDLING AND STORAGE

- | | |
|---|---|
| Advice on protection against fire and explosion | : Use explosion protected equipment.
Provide appropriate exhaust ventilation at places where dust is formed.
Keep away from sources of ignition - No smoking.
No sparking tools should be used.
Keep away from reducing agents (e.g. amines), acids, alkalis and heavy metal compounds (e.g. accelerators, driers, metal soaps).
Do not cut or weld on or near this container even when empty. |
| Advice on safe handling | : For personal protection see section 8.
Do not smoke.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations. |
| Conditions for safe storage | : No smoking.
Electrical installations / working materials must comply with the technological safety standards.
Keep only in original container.
Store away from other materials. |
| Further information on storage stability | : Maximum storage temperature is for quality only. |
| Maximum storage temperature: | : 30 °C |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type	Control	Basis
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		(Form of exposure)	parameters / Permissible concentration	
Silicon dioxide	7631-86-9	MPC-TWA (Aerosol - total mass)	1 mg/m ³	RU OEL
	Further information: aerosols of predominantly fibrogenic action, Class 3 - Moderately dangerous			
		MPC-STEL (Aerosol - total mass)	3 mg/m ³	RU OEL
	Further information: aerosols of predominantly fibrogenic action, Class 3 - Moderately dangerous			
		MPC-TWA (Aerosol - total mass)	2 mg/m ³	RU OEL
	Further information: aerosols of predominantly fibrogenic action, Class 3 - Moderately dangerous			
		MPC-STEL (Aerosol - total mass)	6 mg/m ³	RU OEL
	Further information: aerosols of predominantly fibrogenic action, Class 3 - Moderately dangerous			
		MPC d.a (condensation aerosol)	1 mg/m ³	BY MPC
	Further information: 3rd class - moderate hazard, aerosol of predominantly fibrogenic action			
		MPC m.s (condensation aerosol)	3 mg/m ³	BY MPC
	Further information: 3rd class - moderate hazard, aerosol of predominantly fibrogenic action			
		MPC d.a (condensation aerosol)	2 mg/m ³	BY MPC
	Further information: 3rd class - moderate hazard, aerosol of predominantly fibrogenic action			
		MPC m.s (condensation aerosol)	6 mg/m ³	BY MPC
	Further information: 3rd class - moderate hazard, aerosol of predominantly fibrogenic action			

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis

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tert-Butanol	75-65-0	MPC-STEL (vapour and/or gas)	10 mg/m ³	RU OEL
Further information: Class 3 - Moderately dangerous				
		MPC m.s (vapour and/or gas)	10 mg/m ³	BY MPC
Further information: 3rd class - moderate hazard				
Acetone	67-64-1	MPC-TWA (vapour and/or gas)	200 mg/m ³	RU OEL
Further information: Class 4 - Low hazard				
		MPC-STEL (vapour and/or gas)	800 mg/m ³	RU OEL
Further information: Class 4 - Low hazard				
		TWA	500 ppm 1.210 mg/m ³	2000/39/EC
		MPC d.a (vapour and/or gas)	200 mg/m ³	BY MPC
Further information: 4th class - low hazard				
		MPC m.s (vapour and/or gas)	800 mg/m ³	BY MPC
Further information: 4th class - low hazard				
Methane	74-82-8	MPC-STEL (vapour and/or gas)	7.000 mg/m ³	RU OEL
Further information: Class 4 - Low hazard				
		MPC m.s (vapour and/or gas)	7.000 mg/m ³	BY MPC
Further information: 4th class - low hazard				
tert-Butanol	75-65-0	MPC-STEL (vapour and/or gas)	10 mg/m ³	RU OEL
Further information: Class 3 - Moderately dangerous				
		MPC m.s (vapour and/or gas)	10 mg/m ³	BY MPC
Further information: 3rd class - moderate hazard				
Acetone	67-64-1	MPC-TWA (vapour and/or gas)	200 mg/m ³	RU OEL
Further information: Class 4 - Low hazard				
		MPC-STEL (vapour and/or gas)	800 mg/m ³	RU OEL

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	Further information: Class 4 - Low hazard			
		TWA	500 ppm 1.210 mg/m ³	2000/39/EC
		MPC d.a (vapour and/or gas)	200 mg/m ³	BY MPC
	Further information: 4th class - low hazard			
		MPC m.s (vapour and/or gas)	800 mg/m ³	BY MPC
	Further information: 4th class - low hazard			
Methane	74-82-8	MPC-STEL (vapour and/or gas)	7.000 mg/m ³	RU OEL
	Further information: Class 4 - Low hazard			
		MPC m.s (vapour and/or gas)	7.000 mg/m ³	BY MPC
	Further information: 4th class - low hazard			

Engineering measures : Explosion proof ventilation recommended.

Personal protective equipment

Respiratory protection : Handle in accordance with good industrial hygiene and safety practice.

Hand protection

Material : Neoprene

Material : Nitrile rubber

Eye protection : Tightly fitting safety goggles

Skin and body protection : Protective suit

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : fine powder

Colour : off-white

Odour : Faint.

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Odour Threshold	:	No data available
pH	:	Not applicable
Melting point	:	Decomposes before melting.
Boiling point/boiling range	:	Decomposes below the boiling point.
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	The substance or mixture is a flammable solid with the category 1.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	1,60 (20 °C)
Bulk density	:	510 kg/m ³ (20 °C)
Solubility(ies)		
Water solubility	:	insoluble (20 °C)
Solubility in other solvents	:	Description: Soluble in most organic solvents.
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	Test method not applicable
Decomposition temperature	:	SADT - (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the SADT. Contact with incompatible substances can cause

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decomposition below the SADT.

Self-Accelerating decomposition temperature (SADT)	:	80 °C
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	Not classified as oxidising.
Active Oxygen Content	:	3,8 %
Organic peroxides	:	39 - 41 %

10. STABILITY AND REACTIVITY

Reactivity	:	Stable under normal conditions.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Contact with the following incompatible materials will result in hazardous decomposition: Acids and bases Iron Copper Reducing agents Heavy metals Rust Do not mix with peroxide accelerators, unless under controlled processing. Use only stainless steel 316, PP, polyethylene or glass-lined equipment. For queries regarding the suitability of other materials please contact the supplier.
Hazardous decomposition products	:	No decomposition if stored and applied as directed. No decomposition if stored and applied as directed.

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Hazardous decomposition products	:	Carbon oxides para-Diisopropanolbenzene tert-Butanol Acetone Methane Diacetylbenzene Tetra-alkyl-m-xylene-diol
Hazardous decomposition products	:	Carbon oxides tert-Butanol Acetone Methane 2-(4-Acetylphenyl)-2propanol 2-(3-Acetylphenyl)-2propanol 1,4-Bis(2-hydroxyisopropyl)benzene 1,3-Bis(2-hydroxyisopropyl)benzene
Thermal decomposition	:	SADT - (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the SADT. Contact with incompatible substances can cause decomposition below the SADT.
Self-Accelerating decomposition temperature (SADT)	:	80 °C

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

Di(tert-butylperoxyisopropyl)benzene:

Acute oral toxicity	:	LD50 (Rat): > 2.000 mg/kg Assessment: The substance or mixture has no acute oral toxicity Remarks: No mortality observed at this dose.
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Acute dermal toxicity	:	LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity
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Silicon dioxide:

Acute oral toxicity : LD50 (Rat): > 10.000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

Di(tert-butylperoxyisopropyl)benzene:

Method : OECD Test Guideline 404
Result : No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Components:

Di(tert-butylperoxyisopropyl)benzene:

Result : No eye irritation
Method : OECD Test Guideline 405

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Di(tert-butylperoxyisopropyl)benzene:

Assessment : Does not cause skin sensitisation.
Method : OECD Test Guideline 429

Germ cell mutagenicity

Not classified based on available information.

Components:

Di(tert-butylperoxyisopropyl)benzene:

Genotoxicity in vitro : Test Type: Ames test
Result: negative

Genotoxicity in vivo : Result: Not mutagenic.

Carcinogenicity

Not classified based on available information.

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Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Components:

Di(tert-butylperoxyisopropyl)benzene:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity

Not classified based on available information.

Components:

Di(tert-butylperoxyisopropyl)benzene:

No aspiration toxicity classification

Further information

Product:

Remarks : No further data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Di(tert-butylperoxyisopropyl)benzene:

Toxicity to fish : LC50 : 750 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC0: > 1 mg/l
Exposure time: 48 h
Method: Directive 67/548/EEC, Annex V, C.2.
GLP: yes
Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic plants : EC0 (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility

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Toxicity to microorganisms : NOEC (activated sludge): > 1.000 mg/l
 Exposure time: 0,5 h
 Test Type: Respiration inhibition
 Method: Domestic OECD Guideline 209

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.
 Chronic aquatic toxicity : May cause long lasting harmful effects to aquatic life.

Persistence and degradability

Components:

Di(tert-butylperoxyisopropyl)benzene:

Biodegradability : Result: Not readily biodegradable.
 Method: OECD Test Guideline 301D
 Remarks: Not readily biodegradable.
 Read-across from supporting substance (structural analogue or surrogate).

Bioaccumulative potential

Components:

Di(tert-butylperoxyisopropyl)benzene:

Bioaccumulation : Remarks: No bioaccumulation is expected.
 Partition coefficient: n-octanol/water : log Pow: 7,3 (20 °C)
 Method: Calculation method

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Hygienic standards:

(Allowable concentration in air, water, including fishery waters, soil)

Components	Air	Water	Soil	Data Source
Silicon dioxide 7631-86-9	TSEL: 0,02 mg/m3	MAC: 20 mg/l	No data available	List 2 List 4

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		(Silicon) Limiting health hazard indicator: sanitary-toxicological Hazard class: Class 2 - highly dangerous MAC: 25 mg/l (Silicon) Limiting health hazard indicator: sanitary-toxicological Hazard class: Class 2 - highly dangerous		
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For explanation of abbreviations see section 16.

13. DISPOSAL CONSIDERATIONS

Disposal methods

- Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
 Do not contaminate ponds, waterways or ditches with chemical or used container.
 Dispose of contents/container in accordance with local regulation.
- Contaminated packaging : Empty remaining contents.
 Dispose of as unused product.
 Do not burn, or use a cutting torch on, the empty drum.
 Due to the high risk of contamination recycling/recovery is not recommended.
 Follow all warnings even after the container is emptied.

14. TRANSPORT INFORMATION

ADR

- UN number : UN 1325
 Proper shipping name : FLAMMABLE SOLID, ORGANIC, N.O.S.
 (Di(tert-butylperoxyisopropyl)benzene)
 Class : 4.1
 Packing group : II

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Labels : 4.1
 Hazard Identification Number : 40
 Tunnel restriction code : (E)

IATA-DGR

UN/ID No. : UN 1325
 Proper shipping name : Flammable solid, organic, n.o.s.
 (Di(tert-butylperoxyisopropyl)benzene)
 Class : 4.1
 Packing group : II
 Labels : Flammable Solid
 Packing instruction (cargo aircraft) : 448
 Packing instruction (passenger aircraft) : 445

IMDG-Code

UN number : UN 1325
 Proper shipping name : FLAMMABLE SOLID, ORGANIC, N.O.S.
 (Di(tert-butylperoxyisopropyl)benzene)
 Class : 4.1
 Packing group : II
 Labels : 4.1
 EmS Code : F-A, S-G
 Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

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

The components of this product are reported in the following inventories:

TCSI : On the inventory, or in compliance with the inventory
 TSCA : All substances listed as active on the TSCA inventory
 AIC : On the inventory, or in compliance with the inventory
 DSL : All components of this product are on the Canadian DSL

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ENCS	:	On the inventory, or in compliance with the inventory
ISHL	:	On the inventory, or in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

Full text of H-Statements

H242 Heating may cause a fire.
H413 May cause long lasting harmful effects to aquatic life.

Full text of other abbreviations

Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Org. Perox.	:	Organic peroxides
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
BY MPC	:	Belarus. Sanitary norms, rules and hygienic standards, List of regulated air pollutants of the working zone, Table 3 Maximum permissible concentration (MPC) of hazardous substances in workplace air.
RU OEL	:	SanPiN 1.2.3685-21 Table 2.1, Table 2.8, Table 2.16 & Table 2.17 Maximum permissible concentrations (MPC) in the air of the working area
2000/39/EC / TWA	:	Limit Value - eight hours
BY MPC / MPC d.a	:	Maximum Permissible Concentration - shift-average
BY MPC / MPC m.s	:	Maximum Permissible Concentration - one-time
RU OEL / MPC-STEL	:	Maximum Permissible Concentration - Short Term Exposure
RU OEL / MPC-TWA	:	Maximum Permissible Concentration - Time Weighted Average
List 2	:	SanPiN 1.2.3685-21 Table 1.2, Table 1.12 & Table 1.13 Tentative Safe Exposure Levels (TSEL) in the air of urban and rural settlements
List 4	:	SanPiN 1.2.3685-21 Table 3.13, Table 3.15, Table 3.16 & Table 3.17 Maximum permissible concentrations (MPC) of chemicals in the water of drinking systems of centralized, including hot, and non-centralized water supply, water of underground and surface water bodies of domestic drinking and cultural and domestic water use, water of swimming

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pools, water parks

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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