

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878

263.24.370
Version 10.0

PROline-paint Anti-slip industrial floor coating
Revision date 16-Feb-2023

Print date 16-Feb-2023

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

1.1 Product identifier

Trade name/designation

263.24.370 PROline-paint Anti-slip industrial floor coating yellow RAL 1003 mat
UFI: UXJ1-P07V-D006-V2QT

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

Relevant identified uses

1.3 Details of the supplier of the safety data sheet

Supplier

MORAVIA GmbH
Rostocker Straße 10
65191 Wiesbaden
Deutschland
Telephone: +49 611 95020
Telefax: +49 611 9502200
E-mail: service@moravia.de
Website: www.moravia.de

Department responsible for information

E-mail (competent person) sdb@moravia.de

1.4 Emergency telephone number

Emergency telephone number: Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
Flam. Liq. 3; flammable liquids; H226 Flammable liquid and vapour.
STOT SE 3 Narcotic effects; STOT-single exposure; H336 May cause drowsiness or dizziness.

2.2 Label elements

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

Hazard pictograms



GHS02 GHS07

Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P370 + P378 In case of fire: Use extinguishing powder or sand to extinguish.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.

*** Hazard components for labelling**

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains Cobalt bis(2-ethylhexanoate) ethylhexanoate). May produce an allergic reaction.

2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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SECTION 3: Composition/information on ingredients.

3.2 Mixtures

Description

Preparation of synthetic binders, pigments and solvents

Hazardous ingredients

CAS No. EC No. Index No.	Substance name REACH No. Classification according to Regulation (EC) No 1272/2008 [CLP]	weight-%
* 14464-46-1 238-455-4 -	Cristobalite STOT SE 3 H335	12,5 < 15,0
64742-48-9 919-857-5 -	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 01-2119463258-33 Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H336 / EUH066	12,5 < 15,0
123-86-4 204-658-1 607-025-00-1	n-butyl acetate 01-2119485493-29 Flam. Liq. 3 H226 / STOT SE 3 H336 / EUH066	12,5 < 15,0
141-78-6 205-500-4 607-022-00-5	ethyl acetate 01-2119475103-46 Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336 / EUH066	2,50 < 3,00
2457-01-4 219-535-8 056-002-00-7	Barium bis(2-ethylhexanoate) 01-2119983179-22 Acute Tox. 4 H302 / Eye Dam. 1 H318 / Acute Tox. 4 H332 / Repr. 2 H361d	0,100 < 0,150
136-52-7 205-250-6 -	Cobalt bis(2-ethylhexanoate) ethylhexanoate) 01-2119524678-29 Skin Sens. 1A H317 / Eye Irrit. 2 H319 / Repr. 1B H360F / Aquatic Acute 1 H400 / Aquatic Chronic 3 H412 ATE (oral): 708 mg/kg	0,025 < 0,050

Remark

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Powder, spray mist, (water)

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

For containment

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

For cleaning up

Clean using cleansing agents. Do not use solvents.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: refer to section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. Personal protection equipment: see section 8 Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Advices on general occupational hygiene

When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Storage class LGK3 - Flammable liquids

Further information on storage conditions

Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Store in a well-ventilated and dry room at temperatures between 5 °C and 35 °C.

7.3 Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

Occupational exposure limit values

CAS No.	Substance name	Source	Long-term /short-term (Spitzenbegrenzung)
2457-01-4	Barium bis(2- ethylhexanoate)	WEL	0,5 / - (-) mg/m ³ (barium compounds, soluble, calculated as Ba)
14464-46-1	Cristobalite	WEL	0,1 / - (-) mg/m ³ (Silica, crystalline; respirable fraction)
141-78-6	ethyl acetate	WEL	734 / 1.468 (-) mg/m ³

Additional information

Long-term: Long-term occupational exposure limit value

short-term: short-term occupational exposure limit value

Biological limit values

No data available

DNEL worker

CAS No.	Substance name	DNEL type	DNEL value
2457-01-4	Barium bis(2- ethylhexanoate)	Long-term – inhalation, systemic effects	8,8 mg/m ³
2457-01-4	Barium bis(2- ethylhexanoate)	Long-term - dermal, systemic effects	43,2 mg/kg bw/day
136-52-7	Cobalt bis(2-ethylhexanoate) ethylhexanoate)	Long-term – inhalation, local effects	235,1 µg/m ³
64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Long-term – inhalation, systemic effects	1.500 mg/m ³
64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Long-term - dermal, systemic effects	300 mg/kg bw/day
141-78-6	ethyl acetate	Long-term – inhalation, systemic effects	734 mg/m ³
141-78-6	ethyl acetate	Acute - inhalation, local effects	1.468 mg/m ³
141-78-6	ethyl acetate	Long-term – inhalation, local effects	734 mg/m ³
141-78-6	ethyl acetate	Long-term - dermal, systemic effects	63 mg/kg bw/day
123-86-4	n-butyl acetate	Long-term – inhalation, systemic effects	48 mg/m ³
123-86-4	n-butyl acetate	Long-term - dermal, systemic effects	7 mg/kg bw/day

DNEL Consumer

CAS No.	Substance name	DNEL type	DNEL value
2457-01-4	Barium bis(2- ethylhexanoate)	Long-term – inhalation, systemic effects	2,6 mg/m ³
2457-01-4	Barium bis(2- ethylhexanoate)	Long-term - oral, systemic effects	3,7 mg/kg bw/day
136-52-7	Cobalt bis(2-ethylhexanoate) ethylhexanoate)	Long-term – inhalation, local effects	37 µg/m ³
136-52-7	Cobalt bis(2-ethylhexanoate) ethylhexanoate)	Long-term - oral, systemic effects	175 µg/kg bw/day
64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Long-term – inhalation, systemic effects	900 mg/m ³
64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Long-term - dermal, systemic effects	300 mg/kg bw/day
64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Long-term - oral, systemic effects	300 mg/kg bw/day

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141-78-6	ethyl acetate	Long-term – inhalation, systemic effects	367 mg/m ³
141-78-6	ethyl acetate	Acute - inhalation, systemic effects	734
141-78-6	ethyl acetate	Long-term – inhalation, local effects	367 mg/m ³
141-78-6	ethyl acetate	Acute - inhalation, local effects	734 mg/m ³
141-78-6	ethyl acetate	Long-term - dermal, systemic effects	37 mg/kg bw/day
141-78-6	ethyl acetate	Long-term - oral, systemic effects	4,5 mg/kg bw/day
123-86-4	n-butyl acetate	Long-term – inhalation, systemic effects	12 mg/m ³
123-86-4	n-butyl acetate	Long-term - dermal, systemic effects	3,4 mg/kg bw/day
123-86-4	n-butyl acetate	Long-term - oral, systemic effects	3,4 mg/kg bw/day

PNEC

CAS No.	Substance name	PNEC type	PNEC Value
2457-01-4	Barium bis(2- ethylhexanoate)	sewage treatment plant	50,1 mg/L
2457-01-4	Barium bis(2- ethylhexanoate)	sediment, freshwater	792,7 mg/kg sediment dw
136-52-7	Cobalt bis(2-ethylhexanoate) ethylhexanoate)	aquatic, marine water	2,36 µg/L
136-52-7	Cobalt bis(2-ethylhexanoate) ethylhexanoate)	sewage treatment plant	0,37 mg/L
136-52-7	Cobalt bis(2-ethylhexanoate) ethylhexanoate)	sediment, freshwater	53,8 mg/kg sediment dw
136-52-7	Cobalt bis(2-ethylhexanoate) ethylhexanoate)	sediment, marine water	69,8 mg/kg sediment dw
141-78-6	ethyl acetate	aquatic, intermittent release	1,65 mg/L
141-78-6	ethyl acetate	aquatic, marine water	0,024 mg/L
141-78-6	ethyl acetate	sewage treatment plant	650 mg/L
141-78-6	ethyl acetate	sediment, freshwater	1,15 mg/kg sediment dw
141-78-6	ethyl acetate	sediment, marine water	0,115 mg/kg sediment dw
123-86-4	n-butyl acetate	aquatic, intermittent release	0,36 mg/L
123-86-4	n-butyl acetate	aquatic, marine water	0,018 mg/L
123-86-4	n-butyl acetate	sewage treatment plant	35,6 mg/L
123-86-4	n-butyl acetate	sediment, freshwater	0,981 mg/kg sediment dw
123-86-4	n-butyl acetate	sediment, marine water	0,098 mg/kg sediment dw

8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

Personal protection equipment

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material >= 0,4 mm

Breakthrough time >= 480 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin.

Recommended glove articles: EN ISO 374

Skin protection

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Eye glasses with side protection: EN 166

Body protection

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When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. Anti-static clothing including shoes are recommended.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	yellow
Odour	characteristic
pH at 20 °C	not relevant
Melting point/freezing point	-83,55 °C Source: ethyl acetate
Initial boiling point and boiling range	> 76 °C Source: ethyl acetate
Flash point	23 °C
flammability	Flammable liquid and vapour.
Lower explosion limit at 20°C	0,7 Vol-% Source: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
Upper explosion limit at 20°C	11,5 Vol-% Source: ethyl acetate
Vapour pressure at 20°C	1,013 mbar
Relative vapour density	not applicable
Density at 20 °C	1,407 kg/l
Water solubility at 20°C	practically insoluble
Partition coefficient: n-octanol/water	see section 12
Ignition temperature in °C	> 270 °C Source: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
Decomposition temperature	not determined
Viscosity at 20 °C	300 mm²/s
particle characteristics	not applicable

9.2 Other information

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

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Hazardous decomposition byproducts may form with exposure to high temperatures e.g.: Carbon dioxide (CO₂), Carbon monoxide, smoke.

SECTION 11: Toxicological information

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

Acute toxicity

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

Cobalt bis(2-ethylhexanoate) ethylhexanoate

LD50: oral (Rat): 708 mg/kg

Skin corrosion/irritation

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

Serious eye damage/eye irritation

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

Respiratory or skin sensitisation

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

Overall assessment on CMR properties

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

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

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

Aspiration hazard

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

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

11.2 Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1 Toxicity

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

Acute (short-term) toxicity to crustacea

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

LC50: > 0,002 mg/L (96 h)

Chronic (long-term) toxicity to aquatic invertebrate

NOELR: 1 mg/L (21 d)

Toxicity to microorganisms

2 (5 h)

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water = 1,85 (n-butyl acetate)

Partition coefficient: n-octanol/water > 0,66 (ethyl acetate)

12.4 Mobility in soil

No information available.

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12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Waste codes/waste designations according to EWC/AVV

080111* - Waste paint and varnish containing organic solvents or other dangerous substances

Other disposal recommendations

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1 UN number or ID number

UN 1263

14.2 UN proper shipping name

Land transport (ADR/RID)

Paint

Sea transport (IMDG)

Paint

Air transport (ICAO-TI / IATA-DGR)

Paint

14.3 Transport hazard class(es)

Land transport (ADR/RID)	3 for packages < = 450 litres: Kein Gut der Klasse 3
Sea transport (IMDG)	3 for packages < = 450 litres: Transport in accordance with 2.3.2.5 of the IMDG Code
Air transport (ICAO-TI / IATA-DGR)	3

14.4 Packing group

Land transport (ADR/RID)	III
Sea transport (IMDG)	III
Air transport (ICAO-TI / IATA-DGR)	III

14.5 Environmental hazards

Land transport (ADR/RID)	not applicable
Sea transport (IMDG)	not applicable

14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

14.8 Additional information

Land transport (ADR/RID)

Tunnel restriction code: D/E
Limited quantity (LQ): 5 ltr
Hazard identification number (Kemler No.): 30

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Sea transport (IMDG)

EmS-No.: F-E, S-E
Limited quantity (LQ): 5 ltr

Air transport (ICAO-TI / IATA-DGR)

not applicable

SECTION 15: Regulatory information

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

EU legislation

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.
Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC value: 427 g/l

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Hazard categories / Named dangerous substances

P5c FLAMMABLE LIQUIDS

Quantity 1: 5.000t; Quantity 2: 50.000t

National regulations

Observe in addition any national regulations!

15.2 Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

REACH No.	Substance name	CAS No. EC No.
01-2119983179-22	Barium bis(2-ethylhexanoate)	2457-01-4 219-535-8
01-2119524678-29	Cobalt bis(2-ethylhexanoate) ethylhexanoate	136-52-7 205-250-6
01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 919-857-5
01-2119475103-46	ethyl acetate	141-78-6 205-500-4
01-2119485493-29	n-butyl acetate	123-86-4 204-658-1

SECTION 16: Other information

List of relevant hazard statements and/or precautionary statements from sections 2 to 15

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
* H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360F	May damage fertility.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

* **Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

Flam. Liq. 3 On basis of test data.

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STOT SE 3 Narcotic effects Calculation method.

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

OEL: Occupational Exposure Limit Value

BLV: Biological limit values

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging

CMR: Carcinogenic, Mutagenic and Reprotoxic

DIN: German Institute for Standardization / German industrial standard

DNEL: Derived No-Effect Level

EAKV: European Waste Catalogue Directive

EC: Effective Concentration

EC: European Community

EN: European Standard

IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG Code: International Maritime Code for Dangerous Goods

ISO: International Organization for Standardization

LC: Lethal Concentration

LD: Lethal Dose

MWC: Maximum workplace concentration

MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

OECD: Organisation for Economic Cooperation and Development

PBT: persistent, bioaccumulative, toxic

PNEC: Predicted No Effect Concentration

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative

Indication of changes

* Data changed compared with the previous version.