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

1.1 Product identifier

Trade name/designation

2546	dichtol AM UV Protection
UFI:	H8W0-P0V0-H00R-F539

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

Relevant identified uses

Industrial use

Uses advised against

None known

1.3 Details of the supplier of the safety data sheet

Supplier

DIAMANT Polymer GmbH
Marie-Bernays-Ring 3a
41199 Mönchengladbach
Germany

Telephone: 02166 98360
E-mail: info@diamant-polymer.de
Website: www.diamant-polymer.de

Department responsible for information

E-mail (competent person) Labor@diamant-polymer.de

1.4 Emergency telephone number

In case of poisoning:
The National Poisons Information Service (NPIS)
In case of emergency:
999
For general enquiries:
Diamant Labor: +49 2166 9836 0 (Languages: German or English)
This number is only available during office hours

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.
Skin Irrit. 2; Skin corrosion/irritation; H315 Causes skin irritation.
Skin Sens. 1; Skin sensitisation; H317 May cause an allergic skin reaction.
Eye Dam. 1; Serious eye damage/eye irritation; H318 Causes serious eye damage.
STOT SE 3 Irritation to respiratory tract; STOT-single exposure; H335 May cause respiratory irritation.
STOT SE 3 Narcotic effects; STOT-single exposure; H336 May cause drowsiness or dizziness.
Aquatic Chronic 3; Hazardous to the aquatic environment; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms



GHS02 GHS05 GHS07

Signal word

Danger

Hazard statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves and eye protection/face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER.
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

(Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate)
2-methylpropan-1-ol
reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)
n-butyl acetate

Supplemental hazard information

not applicable

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients.

3.2 Mixtures

Description

Hazardous ingredients

CAS No. EC No. Index No.	Substance name REACH No. Classification according to Regulation (EC) No 1272/2008 [CLP]	weight-%
123-86-4 204-658-1 607-025-00-1	**n-butyl acetate** 01-2119485493-29-XXXX Flam. Liq. 3 H226 / STOT SE 3 H336 / EUH066 ATE (dermal): > 14,112 mg/kg ATE (oral): = 10,760 mg/kg ATE (inhalative): = 23.4 mg/L (4 h)	50,0 < 70,0
78-83-1 201-148-0 603-108-00-1	**2-methylpropan-1-ol** 01-2119484609-23-XXXX Flam. Liq. 3 H226 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H335 / STOT SE 3 H336 ATE (dermal): = 3,400 mg/kg ATE (oral): > 2,830 mg/kg ATE (inhalative): = 24.6 mg/L (4 h)	20,0 < 25,0
- 400-830-7 607-176-00-3	**reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)** 01-0000015075-76-0017 Skin Sens. 1 H317 / Aquatic Chronic 2 H411	0,500 < 1,00
- - -	**(Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate)** 01-2119491304-40-0000 Skin Sens. 1A H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	0,300 < 0,500

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.

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

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values.Only use the material in places where open light, fire and other flammable sources can be kept away.Electrical equipment must be protected meeting the accepted standard.Product may become electrostatically charged.Provide earthing of containers, equipment, pumps and ventilation facilities.Anti-static clothing including shoes are recommended.Floors must be electrically conductive.Keep away from heat sources, sparks and open flames.Use only spark proof tools.Avoid contact with skin, eyes and clothes.Do not inhale dusts, particulates and spray mist when using this preparation.Avoid respiration of swarf.When using do not eat, drink or smoke.Personal protection equipment: see section 8Do 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 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. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

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.

7.3 Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No.	Substance name	Source	Long-term /short-term (Spitzenbegrenzung)
78-83-1	2-methylpropan-1-ol	WEL	154 / 231 (-) mg/m³

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
78-83-1	2-methylpropan-1-ol	DNEL long-term inhalative (local)	310 mg/m³
123-86-4	n-butyl acetate	DNEL acute dermal, short-term (systemic)	11 mg/kg
123-86-4	n-butyl acetate	DNEL long-term inhalative (local)	300 mg/m³
123-86-4	n-butyl acetate	DNEL long-term dermal (systemic)	11 mg/kg
123-86-4	n-butyl acetate	DNEL acute inhalative (systemic)	600 mg/m³
123-86-4	n-butyl acetate	DNEL long-term inhalative (systemic)	300 mg/m³
123-86-4	n-butyl acetate	DNEL acute inhalative (local)	600 mg/m³

DNEL Consumer

CAS No.	Substance name	DNEL type	DNEL value
78-83-1	2-methylpropan-1-ol	DNEL long-term inhalative (local)	55 mg/m³
78-83-1	2-methylpropan-1-ol	DNEL long-term oral (repeated)	25 mg/kg
123-86-4	n-butyl acetate	DNEL short-term oral (acute)	2 mg/kg
123-86-4	n-butyl acetate	DNEL acute dermal, short-term (systemic)	6 mg/kg
123-86-4	n-butyl acetate	DNEL long-term inhalative (local)	35.7 mg/m³
123-86-4	n-butyl acetate	DNEL long-term dermal (systemic)	6 mg/kg
123-86-4	n-butyl acetate	DNEL long-term oral (repeated)	2 mg/kg
123-86-4	n-butyl acetate	DNEL acute inhalative (systemic)	300 mg/m³
123-86-4	n-butyl acetate	DNEL long-term inhalative (systemic)	35.7 mg/m³
123-86-4	n-butyl acetate	DNEL acute inhalative (local)	300 mg/m³

PNEC

CAS No.	Substance name	PNEC type	PNEC Value
78-83-1	2-methylpropan-1-ol	PNEC soil, freshwater	0.07 mg/kg
78-83-1	2-methylpropan-1-ol	PNEC sediment, marine water	0.152 mg/kg
78-83-1	2-methylpropan-1-ol	PNEC aquatic, marine water	0.04 mg/L
78-83-1	2-methylpropan-1-ol	PNEC aquatic, intermittent release	11 mg/L
78-83-1	2-methylpropan-1-ol	PNEC aquatic, freshwater	0.4 mg/L
78-83-1	2-methylpropan-1-ol	PNEC sewage treatment plant (STP)	10 mg/L
78-83-1	2-methylpropan-1-ol	PNEC sediment, freshwater	1.52 mg/kg
123-86-4	n-butyl acetate	PNEC soil, freshwater	0.09 mg/kg
123-86-4	n-butyl acetate	PNEC sediment, marine water	0.098 mg/kg
123-86-4	n-butyl acetate	PNEC aquatic, intermittent release	0.36 mg/L
123-86-4	n-butyl acetate	PNEC aquatic, marine water	0.018 mg/L
123-86-4	n-butyl acetate	PNEC sewage treatment plant (STP)	35.6 mg/L
123-86-4	n-butyl acetate	PNEC aquatic, freshwater	0.18 mg/L
123-86-4	n-butyl acetate	PNEC sediment, freshwater	0.981 mg/kg

8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

* If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.
insufficient ventilation

Hand protection

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

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.

Remark

* After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

* Do not allow to enter into surface water or drains.See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	colourless
Odour	characteristic
pH at 20 °C	not determined
Melting point/freezing point	-108 °C
	Source: 2-methylpropan-1-ol
Initial boiling point and boiling range	> 35 °C
Flash point	<= 24 °C
flammability	Flammable liquid and vapour.
Lower explosion limit at 20°C	1.2 Vol-%
	Source: n-butyl acetate
Upper explosion limit at 20°C	11 Vol-%
	Source: 2-methylpropan-1-ol
Vapour pressure at 20°C	8.24 mbar
Relative vapour density	not applicable
Density at 20 °C	0.9 kg/l
Water solubility at 20°C	practically insoluble
Partition coefficient: n-octanol/water	see section 12
Ignition temperature in °C	390 °C
	Source: n-butyl acetate
Decomposition temperature	not determined
Viscosity at 20 °C	< 80 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

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.

2-methylpropan-1-ol
LD50: dermal (Rabbit): = 3,400 mg/kg

LD50: oral (Rat): > 2,830 mg/kg

LC50: inhalative (Rat): = 24.6 mg/L (4 h)

n-butyl acetate
LD50: dermal (Rabbit): > 14,112 mg/kg; (OECD 402)

LD50: oral (Rat): = 10,760 mg/kg

LC50: inhalative (Rat): = 23.4 mg/L (4 h); (OECD 403)

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Overall assessment on CMR properties

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

STOT-single exposure

May cause respiratory irritation.
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

Harmful to aquatic life with long lasting effects.

Algae toxicity
2-methylpropan-1-ol
ErC50: (Pseudokirchneriella subcapitata): = 1,799 mg/L (72 h)

n-butyl acetate
ErC50: (Scenedesmus subspicatus): = 647.7 mg/L (72 h)

Daphnia toxicity

2-methylpropan-1-ol
EC50 (Daphnia magna (Big water flea)): = 1,100 mg/L (48 h)

n-butyl acetate
EC50 = 44 mg/L (48 h)

Fish toxicity
2-methylpropan-1-ol
LC50: (Pimephales promelas (fathead minnow)): = 1,430 mg/L (96 h)

n-butyl acetate
LC50: (Pimephales promelas (fathead minnow)): = 18 mg/L (96 h)

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

n-butyl acetate
Partition coefficient: n-octanol/water = 1.78

12.4 Mobility in soil

No information available.

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
Sea transport (IMDG)	3
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

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: 684 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.
01-2119491304-40-0000	(Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate)	- -
01-2119484609-23-XXXX	2-methylpropan-1-ol	78-83-1 201-148-0
01-2119485493-29-XXXX	n-butyl acetate	123-86-4 204-658-1
01-0000015075-76-0017	reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	- 400-830-7

SECTION 16: Other information

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

H226	Flammable liquid and vapour.
H315	Causes skin irritation.

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic 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.
Skin Irrit. 2	Calculation method.
Skin Sens. 1	Calculation method.
Eye Dam. 1	Calculation method.
STOT SE 3 Irritation to respiratory tract	Calculation method.
STOT SE 3 Narcotic effects	Calculation method.
Aquatic Chronic 3	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
:
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.