

Date of last issue: 2020-10-01 (Version 4)

### SECTION 1. Identification of the substance/preparation and of the company/undertaking

|                                                                                          |                                                                                                |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>1.1 Product identifier</b>                                                            | Pica 781                                                                                       |
| <b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> | Graffiti remover.                                                                              |
| <b>1.3 Details of the supplier of the safety data sheet</b>                              | PICA Kemi AB                                                                                   |
| <b>Address</b>                                                                           | Kabingatan 13<br>SE-212 39 Malmö                                                               |
| <b>Telephone</b>                                                                         | +46 (0)40-185820                                                                               |
| <b>Homepage/E-mail</b>                                                                   | <a href="http://www.picakemi.se/picakemi@picakemi.se">www.picakemi.se/picakemi@picakemi.se</a> |
| <b>1.4 Emergency telephone number</b>                                                    | Minor emergency cases during office hours +46(0)10-4566700 Swedish poison information center.  |

### SECTION 2: Hazards identification

#### 2.1 Classification

Classification CLP (1272/2008/EC)

Not classified as dangerous in accordance with CLP

#### 2.2 Label elements

**Pictogram**

-

**Signal Word:** None

#### Contents

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#### Hazard statement Code(s)

None

#### Precautionary statements

None

#### 2.3 Other hazards

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

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## SECTION 3: Composition/information on ingredients

### 3.2 Chemical composition: mixture

| Components                            | CAS-No:<br>EC-No:<br>Reg-No:                    | Conc<br>% | Hazard Class<br>and Category<br>Code(s)                                       | Hazard<br>statement<br>Code(s)*      |
|---------------------------------------|-------------------------------------------------|-----------|-------------------------------------------------------------------------------|--------------------------------------|
| Dimethyl glutarate                    | 1119-40-0<br>214-277-2<br>01-2119475445-32-0005 | 20-40     | -                                                                             | -                                    |
| Dimethyl adipate                      | 627-93-0<br>211-020-6<br>01-2119475445-32-0005  | 5-15      | -                                                                             | -                                    |
| Dimethyl succinate                    | 106-65-0<br>203-419-9<br>01-2119475445-32-0005  | 5-15      | -                                                                             | -                                    |
| 2-(2-ethoxyethoxy)ethanol             | 111-90-0<br>203-919-7<br>01-2119475105-42       | 15-20     | -                                                                             | -                                    |
| 2-butoxyethanol<br>603-014-00-0       | 111-76-2<br>203-905-0<br>01-2119475108-36       | 1-<10     | Acute tox. 4<br>Acute tox. 4<br>Skin Irrit. 2<br>Eye Irrit. 2<br>Acute tox. 4 | H302<br>H312<br>H315<br>H319<br>H332 |
| benzyl alcohol<br>Index: 603-057-00-5 | 100-51-6<br>202-589-9<br>01-2119492630-38       | 1-<10     | Acute Tox. 4<br>Acute Tox. 4                                                  | H302<br>H332                         |

\* The full text of Hazard statement Codes are listed under section 16.

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

The classification is based on data from the chemical supplier and <http://echa.europa.eu> (database)

## 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.

#### Inhalation

Fresh air.

#### Skin contact

Take off all contaminated clothing wash with soap and water and rinse the skin thoroughly.

#### Eye contact

Rinse with lukewarm water for several minutes. Hold eyelids apart. Remove contact lenses, if present and easy to do. Contact a doctor if the complaints persist.

#### Ingestion

Rinse mouth with water and drink several glasses of water. Do not induce vomiting. Contact a doctor .

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### SECTION 4: First aid measures (...)

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#### 4.2 Most important symptoms and effects, both acute and delayed:

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| <b>Inhalation:</b>   | May be irritating if inhaled (Cough)                  |
| <b>Skin contact:</b> | May be irritating on skin contact. (Redness, burning) |
| <b>Eye contact:</b>  | May be irritating to eyes. (Pain, redness)            |
| <b>Ingestion:</b>    | Ingestion may cause discomfort.                       |

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

Treat symptomatically.

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### SECTION 5: Fire-fighting measures

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#### 5.1 Extinguishing media

Foam, powder, carbon dioxide.

Do not use strong water jet, foam with environmentally hazardous substances.

#### 5.2 Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed. Do not breathe fumes.

#### 5.3 Special protective equipment

Wear a self-contained breathing apparatus and protective clothing.

#### 5.4 Additional information

Cool endangered containers with water in case of fire. Move containers from fire area if it can be done without risk.

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### SECTION 6: Accidental release measures

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#### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

#### 6.2 Environmental precautions

Do not flush product into surface water or sanitary sewer system.

#### 6.3 Methods and material for containment and cleaning up

Re-use product if possible. Small quantities may be wiped up with a cloth. Larger spill: Contain spill with inert material. Absorb in vermiculite, dry sand or dirt.

#### 6.4 Reference to other sections

See Section 7 for proper handling and storage.

For personal protection see section 8.

For disposal of spillage, see section 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Normal precautions taken when handling chemicals should be observed.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed container.

#### 7.3 Specific end use(s)

-

### SECTION 8: Exposure controls/personal protection

#### 8.1 Appropriate engineering controls

Ensure good ventilation at the workplace.

#### Exposure limits

##### Swedish limit values or limit values according to the European commission

| Substance                 | CAS-No    | Level limit value              | Short time value                | Note |
|---------------------------|-----------|--------------------------------|---------------------------------|------|
| 2-(2-ethoxyethoxy)ethanol | 111-90-0  | 15 ppm<br>80 mg/m <sup>3</sup> | 30 ppm<br>170 mg/m <sup>3</sup> | H,V  |
| 2-butoxyethanol           | 111-76-2  | 10 ppm<br>50 mg/m <sup>3</sup> | 50 ppm<br>246 mg/m <sup>3</sup> |      |
| Dimetyladiopat            | 627-93-0  | 5 ppm<br>36 mg/m <sup>3</sup>  | -                               | -    |
| Dimetylglutarat           | 1119-40-0 | 5 ppm<br>33 mg/m <sup>3</sup>  | -                               | -    |
| Dimetylsuccinat           | 106-65-0  | 5 ppm<br>30 mg/m <sup>3</sup>  | -                               | -    |

#### Explanation of note

V = Indicative short-term limit value. H = The substance can be easily absorbed through the skin.

#### British limit values (EH40/2005 Workplace exposure limits)

| Substance       | CAS Nr   | Long-term exposure Limit        | Short-term exposure limit       | Comments |
|-----------------|----------|---------------------------------|---------------------------------|----------|
| 2-Butoxyethanol | 111-76-2 | 25 ppm<br>123 mg/m <sup>3</sup> | 50 ppm<br>246 mg/m <sup>3</sup> | Sk, BMGV |

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### SECTION 8: Exposure controls/personal protection (...)

#### DNEL

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2-butoxyethanol (111-76-2)           | <p>Long term exposure - Consumers<br/> Systematic effects, oralt: 3,2 mg/kg<br/> Short term exposure – Consumers<br/> Systematic effects, oralt: 44,5 mg/kg<br/> Short term exposure – Consumers<br/> Systematic effects, oralt: 13,4 mg/kg<br/> Short term exposure – Consumers<br/> Local effects, inhalation: 123 mg/m<sup>3</sup><br/> Long term exposure - Consumers<br/> Systematic effects, dermalt: 38 mg/kg<br/> Long term exposure - Consumers<br/> Systematic effects, inhalation: 49 mg/m<sup>3</sup><br/> Short term exposure – Workers<br/> Systematic effects, dermalt: 89 mg/kg<br/> Short term exposure – Workers<br/> Systematic effects, inhalation: 663 mg/m<sup>3</sup><br/> Short term exposure – Workers<br/> Local effects, inhalation: 246 mg/m<sup>3</sup><br/> Long term exposure - Workers<br/> Systematic effects, dermalt: 75 mg/kg<br/> Long term exposure - Workers<br/> Systematiska effekter, inhalation: 98 mg/m<sup>3</sup></p> |
| 2-(2-ethoxyethoxy)ethanol (111-90-0) | <p>Long term exposure - Consumers<br/> Local effects, inhalation: 9 mg/m<sup>3</sup><br/> Long term exposure - Consumers<br/> Systematic effects, inhalation: 18,3 mg/m<sup>3</sup><br/> Long term exposure - Consumers<br/> Systematic effects, dermal: 25 mg/kg<br/> Long term exposure - Consumers<br/> Systematic effects, Oral: 25mg/kg<br/> Long term exposure - Workers<br/> Local effects, 18 mg/m<sup>3</sup><br/> Long term exposure - Workers<br/> Systematic effects, inandning: 37 mg/m<sup>3</sup><br/> Long term exposure - Workers<br/> Systematic effects, dermal: 50mg/kg</p>                                                                                                                                                                                                                                                                                                                                                                     |

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## SECTION 8: Exposure controls/personal protection (...)

### DNEL

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Benzyl alcohol (100-51-6) | Long term exposure - Workers<br>Systematic effects, inhalation: 22 mg/m <sup>3</sup><br>Short term exposure – Workers<br>Systematic effects, inhalation: 110 mg/m <sup>3</sup><br>Long term exposure - Workers<br>Systematic effects, Dermal: 8 mg/kg<br>Short term exposure – Workers<br>Systematic effects, Dermal: 40 mg/kg<br>Long term exposure - Consumers<br>Systematic effects, inhalation: 5,4 mg/m <sup>3</sup><br>Short term exposure – Consumers<br>Systematic effects, inhalation: 27 mg/m <sup>3</sup><br>Long term exposure - Consumers<br>Systematic effects, Dermal: 4 mg/kg<br>Short term exposure – Consumers<br>Systematic effects, dermal: 20 mg/kg<br>Long term exposure - Consumers<br>Systematic effects, Oralt: 4 mg/kg<br>Short term exposure – Consumers<br>Systematic effects, Oralt 20 mg/kg |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### PNEC

|                                      |             |                        |
|--------------------------------------|-------------|------------------------|
| 2-(2-ethoxyethoxy)ethanol (111-90-0) | 0,15 mg/kg  | Earth                  |
| 2-(2-ethoxyethoxy)ethanol (111-90-0) | 10 mg/L     | Intermittent releases  |
| 2-(2-ethoxyethoxy)ethanol (111-90-0) | 0,74 mg/L   | Freshwater             |
| 2-(2-ethoxyethoxy)ethanol (111-90-0) | 0,0074mg/L  | Seawater               |
| Benzyl alcohol (100-51-6)            | 1,0 mg/l    | Freshwater             |
| Benzyl alcohol (100-51-6)            | 0,1 mg/l    | Saltvatten             |
| Benzyl alcohol (100-51-6)            | 5,27 mg/kg  | Sediment Freshwater    |
| Benzyl alcohol (100-51-6)            | 0,527 mg/kg | Sediment Seawater      |
| Benzyl alcohol (100-51-6)            | 0,456 mg/kg | Earth                  |
| Benzyl alcohol (100-51-6)            | 39 mg/l     | Sewage Treatment Plant |
| 2-butoxyethanol (111-76-2)           | 8,8 mg/l    | Freshwater             |
| 2-butoxyethanol (111-76-2)           | 0,88 mg/l   | Seawater               |
| 2-butoxyethanol (111-76-2)           | 34,6 mg/kg  | Sediment Freshwater    |
| 2-butoxyethanol (111-76-2)           | 3,46 mg/kg  | Sediment Seawater      |
| 2-butoxyethanol (111-76-2)           | 2,8 mg/kg   | Earth                  |
| 2-butoxyethanol (111-76-2)           | 463 mg/l    | Sewage Treatment Plant |

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### SECTION 8: Exposure controls/personal protection (...)

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#### 8.2 Exposure controls

##### **General protective and hygiene measures**

Wash hands during work breaks and at the end of the shift.

Avoid contact with eyes and skin.

The usual precautionary measures for the handling of chemicals have to be observed.

##### **Individual protection measures, such as personal protective equipment**

Always consult a competent person/supplier when selecting personal protective equipment.

##### **Respiratory protection**

In case of insufficient ventilation or if the concentration exceeds workplace limits a respirator fit for purpose must be used. (Combined steam / particulate filter, EN141)

##### **Hand protection**

Use chemical resistant protective gloves.

When selecting gloves, several parameters should be taken into account, use, handling, breakthrough time.

##### **Eye protection**

Wear tightly fitting protective goggles if there is a risk of direct contact.

##### **Body protection**

Wear chemical resistant protective clothing.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties:

|                                                        |               |
|--------------------------------------------------------|---------------|
| Form:                                                  | Liquid        |
| Colour:                                                | Yellowish     |
| Odour:                                                 | Neutral       |
| Odor threshold:                                        | Not available |
| pH-value:                                              | Ca 7          |
| Melting point/ Freezing point (°C):                    | Not available |
| Boiling point/range: (°C):                             | Not available |
| Flash point (°C):                                      | > 65          |
| Evaporation rate:                                      | Not available |
| Flammability (solid, gas):                             | Not available |
| Upper / lower flammability limits or explosive limits: | Not available |
| Vapour pressure:                                       | Not available |
| Vapour density (air=1):                                | Not available |
| Density:                                               | Not available |
| Solubility in water:                                   | Soluble       |
| Partition coefficient: n-octanol/water:                | Not available |
| Auto-ignition temperature (C):                         | Not available |
| Decomposition temperature (°C):                        | Not available |
| Viscosity:                                             | Not available |
| Explosive properties:                                  | Not available |
| Oxidising properties:                                  | Not available |

#### 9.2 Other information:

No specific

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Stable under recommended storage and handling conditions

#### 10.2 Chemical stability

Stable under recommended storage and handling conditions.

#### 10.3 Possibility of hazardous reactions

No known

#### 10.4 Conditions to avoid

Avoid contact with strong acids, bases and strong oxidizing substances.

#### 10.5 Incompatible materials

Strong acids, bases and strong oxidizing substances.

#### 10.6 Hazardous decomposition products

No known under recommended storage and handling conditions

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

See section 4. (Most important symptoms and effects, both acute and delayed)

#### Inhalation

May be irritating if inhaled

#### Skin contact

May be irritating on skin contact

#### Eye contact:

May be irritating to eyes.

#### Ingestion:

Ingestion may cause discomfort.

#### Acute toxicity

Information about this preparation is not available.

### Toxicology data for the containing components

|                                                                                                                                       |                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 2-butoxyethanol (111-76-2)                                                                                                            | LD <sub>50</sub> Oral Rat: 1746 mg/kg<br>LC <sub>50</sub> Inhalation Rat 4h: >4,26 mg/l<br>LD <sub>50</sub> Dermal Rat: >2000 mg/kg               |
| DBE(EG-nr 906-170-0)<br>Mixture of:<br>Dimethyl glutarate (1119-40-0)<br>Dimethyl succinate (106-65-0)<br>Dimethyl adipate (627-93-0) | LD <sub>50</sub> Oral Rat: >5000 mg/kg<br>LD <sub>50</sub> Derma Rat: >2000 mg/kg<br>LC <sub>50</sub> Inhalation Rat: 11000 mg/m <sup>3</sup>     |
| 2-(2-ethoxyethoxy)ethanol (111-90-0)                                                                                                  | LD <sub>50</sub> Oral Rat: 6300 mg/kg bw<br>LC <sub>50</sub> Dermal Rabbit: ~ 8500 mg/kg bw<br>LC <sub>50</sub> Inhalation Rat 74h: >5,24 mg/l    |
| Benzyl alcohol (100-51-6)                                                                                                             | LD <sub>50</sub> oral, Rat: 1 230 mg/kg<br>LC <sub>50</sub> , Inhalation., Rat, 4 h: > 4 178 mg/l<br>LD <sub>50</sub> dermal, Rabbit: 2 000 mg/kg |

### STOT-single exposure -repeated exposure

No known.

#### Routes of exposure

Eyes and skin, inhalation, (ingestion)

#### Allergenic potential

The product is not classified as allergenic by inhalation or skin contact.

#### Carcinogenicity, mutagenicity and toxicity for reproduction

This product is not classified as carcinogen, mutagen and toxic for reproduction.

#### Aspiration hazard

No.

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### SECTION 12: Ecological information

This product is not classified as dangerous for the environment.

Avoid uncontrolled releases to surface water and sewage

#### 12.1 Toxicity

Information about this preparation is not available.

#### Toxicology data for the containing components:

|                                                                                                                                       |                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DBE(EG-nr 906-170-0)<br>Mixture of:<br>Dimethyl glutarate (1119-40-0)<br>Dimethyl succinate (106-65-0)<br>Dimethyl adipate (627-93-0) | EC <sub>50</sub> , Algea 72h: 85 mg/l.<br>LC <sub>50</sub> , Daphnia, 24h: 112-150 ppm<br>LC <sub>50</sub> , Fish, 96 h: 18-24 ppm Sp: Pimephales promelas                                          |
| 2-(2-ethoxyethoxy)ethanol (111-90-0)                                                                                                  | LD <sub>50</sub> Fish 96h: > 10000 mg/l Sp: Pimephales promelas<br>EC <sub>50</sub> Algea 96h: >100 mg/l Sp: Pseudokirchnerella subcapitata<br>LC <sub>50</sub> Daphnia 48h: 1982 mg/l Sp: D. Magna |
| Benzyl alcohol (100-51-6)                                                                                                             | LC <sub>50</sub> Fish, 96 h: 646 mg/l<br>EC <sub>50</sub> Daphnia, 48 h: 230 mg/l<br>EC <sub>50</sub> Algea, 72 h: 770 mg/l                                                                         |

#### 12.2 Persistence and degradability

2-butoxyethanol (111-76-2) - Readily biodegradable.

2-(2-ethoxyethoxy)ethanol (111-90-0)- Readily biodegradable.

Benzyl alcohol (100-51-6) - Readily biodegradable. >90% 30D OECD301d

#### 12.3 Bioaccumulative potential

Does not bioaccumulate. - 2-(2-ethoxyethoxy)ethanol (111-90-0)

Benzyl alcohol (100-51-6) – Not considered to bioaccumulate. Log Pow: 1.1

#### 12.4 Mobility in soil

Soluble in water.

#### 12.5 Results of PBT and vPvB assessment

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

#### 12.6 Other adverse effects

No known

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods:

This product or residues of concentrated product are not classified as hazardous waste. Dispose of in accordance with local authority requirements. Do not empty into drain.

**EWC- code:** Depends on line of business and use.

Suggested EWC-code: 20 01 30 detergents other than those mentioned in 20 01 29.

#### Disposal of Packaging:

Well cleaned packaging could be left for recycling.

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### SECTION 14: Transport information

The product is not classified as dangerous goods according to ADR/RID, IMDG, DGR.

**14.1 UN number**

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**14.2 Proper shipping name (IMDG,IATA/ICAO)**

-

**14.3 Transport hazard class(es)**

-

**14.4 Packing group**

-

**14.5 Environmental hazards**

-

**14.6 Special precautions for user**

-

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

-

### SECTION 15: Regulatory information

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

Classification according to CLP (1272/2008/EC). EH40/2005

**15.2 Chemical safety assessment**

None.

### SECTION 16: Other information

**The full text of Hazard statement Codes listed under section 3:**

H302 Harmful if swallowed

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

The user of this product must decide if the information in this safety data sheet is sufficient for which the product will be used.

Version 4: 2020-10-01 Safety data sheet according to Regulation (EC) No. 1907/2006 and (EG) 2015/830.

Previous versions:

Version 1: 2006-05-10

Version 2: 2006-06-20

Version 3: 2013-10-14

**Sources**

Safety data sheet provided by the manufacturer. CLP-regulation  
[www.kemi.se](http://www.kemi.se) (Database), EH40/2005, <http://echa.europa.eu> (Database).

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### SECTION 16: Other information (...)

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#### Abbreviations explanations

ADR: International Carriage of Dangerous Goods by Road

BCF: Bio Concentration Factor

CAS-nr: Chemical Abstracts Service number

EC<sub>50</sub>: Effect Concentration

EG-nr: A substance number i EINECS, ELINCS or in No-Longer Polymers List.

IMDG: International Maritime Dangerous Goods Code.

LC<sub>50</sub>: Lethal Concentration

LD<sub>50</sub>: Lethal Dose

IC<sub>50</sub>: Median Inhibition Concentration

NOEC: No Observed Effect Concentration

PBT-substance: Persistent, Bio accumulative and Toxic substances.

vPvB-substance: Very persistent and Very Bio accumulative substances.

NOEC: No Observed Effect Concentration

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