

NOVEL 8-7

Version: 4.01

Revision Date 06.12.2018

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name **NOVEL 8-7**

Substance name (REACH / CLP) Octan-1-ol, ethoxylated (≥ 2.5 EO) (CAS : 27252-75-1)

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

Use Industrial use
raw material for washing and cleaning agents
surface-active substance

Uses advised against

1.3 Details of the supplier of the safety data sheet

Company Sloveca, Sasol Slovakia, spol. s r.o.
Mostová 2
811 02 Bratislava
Slovak Republic

Telephone: +421 2 54430219
Telefax: +421 2 54430315

Information (Product safety): Telephone: +421 46 546 1204
Telefax: +421 46 546 1144

E-mail address msds-info.italy@it.sasol.com

1.4 Emergency telephone number

Emergency telephone number +421 902 899981; +421 25 477 4166 National Toxicological Information Centre
(24 hours)

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Acute toxicity Category 4 (Oral) Harmful if swallowed.
Serious eye damage Category 1 Causes serious eye damage.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)****Hazard pictograms**

Signal word Danger

Hazard statements

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| | |
|---------------------------------|---|
| H302 | Harmful if swallowed. |
| H318 | Causes serious eye damage. |
| Precautionary statements | |
| P264 | Wash skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P280 | Wear eye protection/ face protection. |
| P301 + P312 + P330 | IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. |
| P305 + P351 + P338 + P310 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. |
| P501 | Dispose of contents/ container to an approved waste disposal plant. |

2.3 Other hazards

The information required is contained in this Material Safety Data Sheet.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a substance in the meaning of regulation (EC) 1907/2006.

COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES

Octan-1-ol, ethoxylated (>= 2.5 EO)

content: >= 90 - <= 100 %

component type: Active ingredient

EC-No.: 933-544-0

Index-No.:

CAS-No.: 27252-75-1

REACH No.: Not relevant (polymer)

Substance name (REACH / CLP): Octan-1-ol, ethoxylated (>= 2.5 EO) (CAS : 27252-75-1)

Classification (Regulation

Acute Tox. 4 (Oral)

H302

(EC) No 1272/2008):

Eye Dam. 1

H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|--------------------------------|--|
| General advice | Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). |
| If inhaled | Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician. |
| In case of skin contact | Wash off with plenty of water. |
| In case of eye contact | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |

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If swallowed Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed Symptoms: No information available.
Risks: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed Treatment: No information available.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media Water spray, Dry powder, Foam, Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting Dangerous gases or fumes may occur in case of fire.

5.3 Advice for firefighters

Special protective equipment for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

Further information Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions Use personal protective equipment.

Special precautions Forms slippery/greasy layers with water.

6.2 Environmental precautions

Environmental precautions Avoid subsoil penetration.
Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

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| | |
|--|--|
| Advice on safe handling | Wear personal protective equipment. Avoid contact with skin and eyes. |
| Advice on protection against fire and explosion | No special protective measures against fire required. |

7.2 Conditions for safe storage, including any incompatibilities

| | |
|--|---|
| Requirements for storage areas and containers | No special storage conditions required. |
| Storage class (TRGS 510) | 10-13: German Storage Class 10 to 13 |
| Other data | Protect from frost, heat and sunlight. |

7.3 Specific end use(s)

| | |
|------------------------|------------------------------------|
| Specific use(s) | This information is not available. |
|------------------------|------------------------------------|

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS****National occupational exposure limits**

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)**Substance name: Octan-1-ol, ethoxylated (>= 2.5 EO) (CAS : 27252-75-1)**

No data available

PREDICTED NO EFFECT CONCENTRATION (PNEC)**Substance name: Octan-1-ol, ethoxylated (>= 2.5 EO) (CAS : 27252-75-1)**

No data available

8.2 Exposure controls**PERSONAL PROTECTIVE EQUIPMENT**

| | |
|-------------------------------|--|
| Respiratory protection | No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141. |
| Hand protection | The choice of an appropriate glove does not only depend on its material but also |

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on other quality features and is different from one producer to the other., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

gloves suitable for permanent contact:

Material: butyl-rubber
Break through time: >= 480 min
Layer thickness: >= 0,7 mm

gloves suitable for splash protection:

Material: Nitrile rubber/nitrile latex
Break through time: >= 30 min
Layer thickness: >= 0,4 mm

| | |
|---------------------------------|--|
| Eye protection | Tightly fitting safety goggles |
| Skin and body protection | Wear suitable protective equipment. |
| Hygiene measures | Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wear suitable gloves and eye/face protection. |
| Protective measures | Avoid contact with eyes. Wear suitable gloves and eye/face protection. |

ENVIRONMENTAL EXPOSURE CONTROLS

| | |
|-----------------------|---|
| General advice | Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. |
|-----------------------|---|

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|------------------------------------|---|
| Physical state | liquid; 20 °C; 1,013 hPa |
| Form | liquid |
| Colour | clear to slightly hazy |
| Odour | characteristic |
| Odour Threshold | No valid method available |
| pH | 6 - 8; 1 % active substance; 20 °C; STN EN 1262 |
| Melting point/range | -1 - 3 °C; 1,013 hPa; STN 65 6072 |
| Boiling point/boiling range | 132 - 295 °C |
| Flash point | ca. 254 °C; 1,013 hPa |
| Evaporation rate | No data available |
| Flammability (solid, gas) | not applicable (liquid) |

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| | |
|---|--|
| Lower explosion limit | No data available |
| Upper explosion limit | No data available |
| Vapour pressure | 0,14 hPa; 0 °C |
| Relative vapour density | > 1 |
| Density | 1,010 g/cm ³ ; 20 °C; 1,013 hPa; STN EN ISO 12185 |
| Relative density | No data available |
| Water solubility | 100 g/l; 20 °C; 1,013 hPa; soluble |
| Partition coefficient: n-octanol/water | Not relevant / not applicable Justification: surface-active substance |
| Ignition temperature | ca. 387 °C |
| Auto-ignition temperature | not auto-flammable |
| Viscosity, dynamic | ca. 40,6 mPas; 20 °C; STN EN ISO 3104 |
| Viscosity, kinematic | ca. 40,2 mm ² /s; 20 °C; (calculated) |
| Explosive properties | not expected based on structure and functional groups |
| Oxidizing properties | not expected based on structure and functional groups |

9.2 Other data

None known.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity**Note** No decomposition if stored and applied as directed.**10.2 Chemical stability****Note** Stable under normal conditions.**10.3 Possibility of hazardous reactions****Hazardous reactions** None known.**10.4 Conditions to avoid****Conditions to avoid** Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.**10.5 Incompatible materials to avoid****Materials to avoid** Strong acids and oxidizing agents;**10.6 Hazardous decomposition products****Hazardous decomposition products** No decomposition if stored normally.**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects

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Acute toxicity

| | |
|----------------------------------|--|
| Acute oral toxicity | Octan-1-ol, ethoxylated (≥ 2.5 EO): LD50 Rat: > 300 - 2.000 mg/kg Category approach own test results/literature values Harmful if swallowed. |
| Acute inhalation toxicity | Octan-1-ol, ethoxylated (≥ 2.5 EO): No data available |
| Acute dermal toxicity | Octan-1-ol, ethoxylated (≥ 2.5 EO): LD50 Rabbit: > 2.000 mg/kg; Category approach (literature value) Based on available data, the classification criteria are not met. |

Skin corrosion/irritation

| | |
|------------------------|---|
| Skin irritation | Octan-1-ol, ethoxylated (≥ 2.5 EO): Rabbit: not irritating own test results/literature values Category approach Based on available data, the classification criteria are not met. |
|------------------------|---|

Serious eye damage/eye irritation

| | |
|-----------------------|---|
| Eye irritation | Octan-1-ol, ethoxylated (≥ 2.5 EO): Rabbit: Irreversible effects on the eye own test results/literature values Category approach Causes serious eye damage. |
|-----------------------|---|

Respiratory or skin sensitisation

| | |
|----------------------|--|
| Sensitisation | Octan-1-ol, ethoxylated (≥ 2.5 EO): Maximisation Test Guinea pig: not sensitizing Category approach (literature value) Based on available data, the classification criteria are not met. |
|----------------------|--|

Germ cell mutagenicity

| | |
|------------------------------|---|
| Genotoxicity in vitro | Octan-1-ol, ethoxylated (≥ 2.5 EO): In vitro tests did not show mutagenic effects Category approach own test results/literature values |
| Genotoxicity in vivo | Octan-1-ol, ethoxylated (≥ 2.5 EO): In vivo tests did not show mutagenic effects Category approach (literature value) |
| Remarks | Octan-1-ol, ethoxylated (≥ 2.5 EO): Based on available data, the classification criteria are not met. |

Carcinogenicity

| | |
|----------------|--|
| Remarks | Octan-1-ol, ethoxylated (≥ 2.5 EO): Based on available data, the classification criteria are not met. |
|----------------|--|

Reproductive toxicity

| | |
|-------------------------------------|---|
| Reproductive toxicity | Octan-1-ol, ethoxylated (≥ 2.5 EO): Animal testing did not show any effects on fertility. Category approach |
| RemarksReproductive toxicity | Octan-1-ol, ethoxylated (≥ 2.5 EO): Based on available data, the classification criteria are not met. |

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| | |
|----------------------------------|---|
| Teratogenicity | Octan-1-ol, ethoxylated (≥ 2.5 EO): Did not show teratogenic effects in animal experiments. Category approach |
| Remarks-Teratogenicity | Octan-1-ol, ethoxylated (≥ 2.5 EO): Based on available data, the classification criteria are not met. |
| STOT - single exposure | |
| Remarks | Octan-1-ol, ethoxylated (≥ 2.5 EO): The substance or mixture is not classified as specific target organ toxicant, single exposure. |
| STOT - repeated exposure | |
| Remarks | Octan-1-ol, ethoxylated (≥ 2.5 EO): The substance or mixture is not classified as specific target organ toxicant, repeated exposure. |
| Repeated dose toxicity | Octan-1-ol, ethoxylated (≥ 2.5 EO): Rat; Oral; 2 years NOAEL: 50 mg/kg (based on body weight and day) Target Organs: Heart, Liver, Kidney Symptoms: reduced body weight gain, increased relative organ weights Category approach (literature value) |
| Aspiration hazard | |
| Aspiration toxicity | Octan-1-ol, ethoxylated (≥ 2.5 EO): Not applicable |
| Toxicological information | Octan-1-ol, ethoxylated (≥ 2.5 EO): Toxicokinetics Category approach The substance is expected to be rapidly absorbed and excreted. (literature value) |

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

| | |
|--|---|
| Toxicity to fish | Octan-1-ol, ethoxylated (≥ 2.5 EO): LC50 (96 h) Cyprinus carpio (Carp): 10 - 100 mg/l ; flow-through test; OECD Test Guideline 203 own test results/literature values Category approach |
| Toxicity to daphnia and other aquatic invertebrates | Octan-1-ol, ethoxylated (≥ 2.5 EO): EC50 (48 h) Daphnia magna (Water flea): 10 - 100 mg/l ; static test; OECD Test Guideline 202 own test results/literature values Category approach |
| Toxicity to aquatic plants | Octan-1-ol, ethoxylated (≥ 2.5 EO): EC50 (72 h) Desmodesmus subspicatus (green algae): 10 - 100 mg/l ; static test; OECD Test Guideline 201; own test results/literature values Category approach |
| Toxicity to bacteria | Octan-1-ol, ethoxylated (≥ 2.5 EO): EC50 activated sludge: 140 mg/l; Respiration inhibition Category approach |

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| | |
|---|---|
| | (literature value) |
| Toxicity to soil dwelling organisms | Octan-1-ol, ethoxylated (≥ 2.5 EO): NOEC Eisenia foetida: 220 mg/kg; reproduction rate; artificial soil Category approach (literature value) |
| Toxicity to terrestrial flora | Octan-1-ol, ethoxylated (≥ 2.5 EO): emergence, growth; NOEC: 10 mg/kg; Lepidium sativum (cress); OECD Test Guideline 208 own test results/literature values Category approach |
| Toxicity for other terrestrial non-mammalian fauna | Octan-1-ol, ethoxylated (≥ 2.5 EO): No data available |
| 12.2 Persistence and degradability | |
| Biodegradability | Octan-1-ol, ethoxylated (≥ 2.5 EO): Readily biodegradable.; $> 60\%$; 28 d; aerobic; OECD Test Guideline 301B own test results/literature values Category approach |
| 12.3 Bioaccumulative potential | |
| Bioaccumulation | Octan-1-ol, ethoxylated (≥ 2.5 EO): Bioaccumulation is unlikely. (literature value) |
| 12.4 Mobility in soil | |
| Mobility | Octan-1-ol, ethoxylated (≥ 2.5 EO): Koc: 459 - 635; calculated low mobility in soils |
| 12.5 Results of PBT and vPvB assessment | |
| Results of PBT assessment | Octan-1-ol, ethoxylated (≥ 2.5 EO): Based on available data, the classification criteria are not met. |
| 12.6 Other adverse effects | |
| General advice | Octan-1-ol, ethoxylated (≥ 2.5 EO): None known. |

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

| | |
|--|---|
| Product | Can be incinerated, when in compliance with local regulations. |
| Contaminated packaging | Empty remaining contents. |
| waste code of the European Union: EWC | A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. The waste code must be determined in agreement with the regional waste disposal authority or company. |

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

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| | |
|-----------|---------------------|
| ADR | Not dangerous goods |
| RID | Not dangerous goods |
| ADN | Not dangerous goods |
| IMDG | Not dangerous goods |
| ICAO/IATA | Not dangerous goods |

14.2 Proper shipping name

| | |
|-----------|---------------------|
| ADR | Not dangerous goods |
| RID | Not dangerous goods |
| ADN | Not dangerous goods |
| IMDG | Not dangerous goods |
| ICAO/IATA | Not dangerous goods |

14.3 Transport hazard class

| | |
|-----------|---------------------|
| ADR | Not dangerous goods |
| RID | Not dangerous goods |
| ADN | Not dangerous goods |
| IMDG | Not dangerous goods |
| ICAO/IATA | Not dangerous goods |

14.4 Packing group

| | |
|-----------|---------------------|
| ADR | Not dangerous goods |
| RID | Not dangerous goods |
| ADN | Not dangerous goods |
| IMDG | Not dangerous goods |
| ICAO/IATA | Not dangerous goods |

14.5 Environmental hazards

| | | |
|-----------|---------------------------|----|
| ADR | Environmentally hazardous | no |
| RID | Environmentally hazardous | no |
| ADN | Environmentally hazardous | no |
| IMDG | Marine pollutant | no |
| ICAO/IATA | Environmentally hazardous | no |

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

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

Remarks No information available.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Occupational restrictions Employment restrictions for children and young workers in accordance with Directive 94/33/EC and the respective national provisions are to be observed.

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NATIONAL/OTHER REGULATIONS

Legislation on the control of major-accident hazards involving dangerous substances

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
list entry in the directive:: Not applicable

NOTIFICATION STATUS

| | | |
|--|------------|---|
| Switzerland. Consolidated Inventory | CH INV | listed (product or constituents are listed) |
| US. Toxic Substances Control Act | TSCA | listed (product or constituents are listed) |
| Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL) | DSL | listed (product or constituents are listed) |
| Australia. Industrial Chemical (Notification and Assessment) Act | AICS | listed (product or constituents are listed) |
| Japan. Kashin-Hou Law List | ENCS (JP) | listed (product or constituents are listed) |
| Japan. Industrial Safety & Health Law (ISHL) List | ISHL (JP) | listed (product or constituents are listed) |
| Korea. Existing Chemicals Inventory (KECI) | KECI (KR) | listed (product or constituents are listed) |
| Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act | PICCS (PH) | listed (product or constituents are listed) |
| China. Inventory of Existing Chemical Substances | INV (CN) | listed (product or constituents are listed) |
| New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand | NZIOC | listed (product or constituents are listed) |
| Taiwan. Existing Chemicals Inventory (MOL No. 10302023691) | TCSI | listed (product or constituents are listed) |

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

15.2 Chemical safety assessment

Octan-1-ol, ethoxylated (>= 2.5 EO) (CAS : 27252-75-1)

A Chemical Safety Assessment is not required for this substance (exempted from obligation to register).

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

| | |
|------|----------------------------|
| H302 | Harmful if swallowed. |
| H318 | Causes serious eye damage. |

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Safety datasheet sections which have been updated:

1. Identification of the substance/mixture and of the company/undertaking
3. Composition/information on ingredients
7. Handling and storage
8. Exposure controls/personal protection
9. Physical and chemical properties
11. Toxicological information
12. Ecological information
15. Regulatory information
16. Other information

Further information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Key or legend to abbreviations and acronyms used in the safety data sheet

| | |
|-----------|---|
| ADN | Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure |
| ADR | Accord européen relatif au transport international des marchandises Dangereuses par Route |
| AICS | Australian Inventory of Chemical Substances |
| ANSI | American National Standards Institute |
| ASTM | American Society of Testing and Materials (US) |
| BCF | Bioconcentration factor |
| CLP | Regulation on Classification, Labelling and Packaging of Substances and Mixtures |
| DIN | Deutsches Institut für Normung |
| DNEL | Derived No-Effect Level |
| DSL | Domestic Substances List |
| EC... | Effect concentration ... % |
| ENCs | Existing Notified Chemical Substances (Japan) |
| EWC | European Waste Catalogue |
| IATA | International Air Transport Association |
| IBC | Intermediate Bulk Container |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISHL | Industrial Safety and Health Law (Japan) |
| ISO | International Organization for Standardization |
| IUAPC | International Union of Pure and Applied Chemistry |
| KECI | Korea Existing Chemicals Inventory |
| LC... | Lethal Concentration, ...% |
| LD... | Lethal Dose, ...% |
| MARPOL | International Convention for the Prevention of Pollution From Ships |
| NDSL | Non-Domestic Substances List |
| NOAEL | no observable adverse effect level |
| NOEL/NOEC | No Observed-effect level/concentration |
| NZIoC | New Zealand Inventory of Chemicals |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | persistent, bioaccumulative, toxic |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport international ferroviaire de marchandises dangereuses |
| TG | Test Guideline |
| TRGS | Technische Regeln für Gefahrstoffe |
| TSCA | Toxic Substances Control Act |
| vPvB | very persistent, very bioaccumulative |
| WGK | Wassergefährdungsklasse |



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