

SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations (SOR/2015-17)

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: RENOLIT AQUA 2

Other means of identification: For further information, please refer to section 9 of the SDS.

1.2 Recommended use and restriction on use

Recommended use: Lubricating grease

Restrictions on use: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier

FUCHS LUBRICANTS (UK) PLC.

New Century Street

ST1 5HU Hanley

Telephone:

+44 (0) 1782 203700

US Distributor

Fuchs Lubricants Co.

17050 Lathrop Avenue

Harvey, IL 60426

(708) 333-8900

(800) 255-3924 24 hrs Emergency

1.4 Emergency telephone number: +49 621 3701-0 (Mo - Fr 08:00 am - 04:00 pm, GMT + 1)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product has not been classified as hazardous and does not need to be labelled according to the legislation in force.

2.2 Label Elements

Not applicable

2.3 Other hazards:

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

Unknown toxicity:

Due to information available product does not contain any ingredients of unknown toxicity.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

General information:

Lubricating grease: Thickener system and additives in solvent refined mineral oil.

Chemical name	Identifier	Concentration (%w/w)	Notes
Base oil paraffinic	64742-54-7	30.00 - 60.00	
Base oil, naphthenic	64742-52-5	10.00 - 30.00	

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Base oil	64742-57-0	10.00 - 30.00	
Fatty acids, C6-19-branched, zinc salts	68551-44-0	0.50 - 1.50	
Base oil, paraffinic	64741-88-4	0.10 - 1.00	

A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Identifier	Classification
Base oil paraffinic	64742-54-7	
Base oil, naphthenic	64742-52-5	
Base oil	64742-57-0	
Fatty acids, C6-19-branched, zinc salts	68551-44-0	, Aquatic Acute 1;H400, Aquatic Chronic 2;H411
Base oil, paraffinic	64741-88-4	

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Nota L/ Nota N of Annex VI of Regulation EC 1272/2008."

4 FIRST AID MEASURES

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. Destroy or thoroughly clean contaminated shoes. If skin irritation or an allergic skin reaction develops, get medical attention.

Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: Suspected to cause hypersensitivity and allergy.

4.3 Indication of any immediate medical attention and special treatment needed Symptoms may be delayed.

SECTION 5: Firefighting measures

Product name: RENOLIT AQUA 2

5.1 Extinguishing media

Suitable extinguishing media:

CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Unsuitable extinguishing media:

Water with a full water jet.

5.2 Special hazards arising from the substance or mixture:

During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire-fighting procedures:

Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

6.2 Environmental Precautions:

Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up:

Scrape up spillage or absorb with absorbing material. Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

6.4 Reference to other sections:

See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.

7.2 Conditions for safe storage, including any incompatibilities:

Local regulations concerning handling and storage of waterpolluting products have to be followed.

7.3 Specific end use(s):

No data available.

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8	EXPOSURE CONTROLS / PERSONAL PROTECTION
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Product name: RENOLIT AQUA 2

8.1.Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Base oil paraffinic - Mist.	TWA	5 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Base oil paraffinic - Mist.	STEL	10 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Base oil paraffinic - Mist.	TWA	5 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Base oil paraffinic - Mist.	STEL	10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Base oil paraffinic - Mist.	TWA	1 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
Base oil paraffinic - Mist.	STEL	10 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
Base oil paraffinic - Inhalable fraction.	TWA	5 mg/m ³	Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 2016 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191), as amended (05 2022)
Base oil paraffinic - Mist.	TWA	5 mg/m ³	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
Base oil paraffinic - Mist.	STEL	10 mg/m ³	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
Base oil paraffinic - Mist.	TWA	1 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (05 2013)
Base oil paraffinic - Inhalable fraction.	TWA	5 mg/m ³	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2014)
Base oil paraffinic - Inhalable fraction.	TWA	5 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Base oil paraffinic	15 MIN ACL	10 mg/m ³	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
Base oil paraffinic - Inhalable dusts and mists.	TWA	5 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting

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			occupational health and safety), as amended (04 2022)
Base oil, naphthenic - Mist.	TWA	5 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Base oil, naphthenic - Mist.	STEL	10 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Base oil, naphthenic - Mist.	TWA	5 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Base oil, naphthenic - Mist.	STEL	10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Base oil, naphthenic - Mist.	TWA	1 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
Base oil, naphthenic - Mist.	STEL	10 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
Base oil - Mist.	TWA	5 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Base oil - Mist.	STEL	10 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Base oil - Mist.	TWA	5 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Base oil - Mist.	STEL	10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Base oil - Mist.	TWA	1 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
Base oil - Mist.	STEL	10 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
Base oil, paraffinic - Mist.	TWA	5 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Base oil, paraffinic - Mist.	STEL	10 mg/m ³	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended

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Base oil, paraffinic - Mist.	TWA	5 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Base oil, paraffinic - Mist.	STEL	10 mg/m ³	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Base oil, paraffinic - Mist.	TWA	1 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
Base oil, paraffinic - Mist.	STEL	10 mg/m ³	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended

8.2.Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection:

Safety glasses (EN 166) recommended during refilling. Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: ≥ 480 min
Recommended thickness of the material: ≥ 0.38 mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Not relevant, due to the form of the product.

Thermal hazards:

No data available.

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Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls: No data available.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties**Appearance**

Physical state:	solid
Form:	Paste
Color:	Dark yellow
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	substance/mixture is non-soluble (in water)
Drop Point:	> 140 °C (IP 396)
Boiling Point:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Explosion Limit - Upper (%):	Not applicable for mixtures
Explosion Limit - Lower (%):	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Relative vapor density:	Not applicable for mixtures
Relative density:	0.95 g/cm ³ (15 °C)

Solubility(ies)

Solubility in Water:	Insoluble in water
Solubility (other):	No data available.

Partition coefficient (n-octanol/water):	Not applicable for mixtures
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Auto-ignition temperature:	Value not relevant for classification
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Decomposition Temperature:	Value not relevant for classification
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NLGI:	2
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Explosive properties:	Value not relevant for classification
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Oxidizing properties:	Value not relevant for classification
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9.2 Other information No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under normal use conditions.

10.2 Chemical Stability: Stable under normal use conditions.

10.3 Possibility of hazardous reactions: Stable under normal use conditions.

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- 10.4 Conditions to avoid:** Stable under normal use conditions.
- 10.5 Incompatible Materials:** Strong oxidizing substances. Strong acids. Strong bases.
- 10.6 Hazardous Decomposition Products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

- Inhalation:** No data available.
- Ingestion:** No data available.
- Skin Contact:** May cause an allergic skin reaction.
- Eye contact:** No data available.

Acute toxicity**Oral****Product:**

- Specified substance(s)** Not classified for acute toxicity based on available data.
- Base oil paraffinic LD 50 (Rat): > 5,000 mg/kg
- Base oil, naphthenic LD 50 (Rat): > 5,001 mg/kg
- Base oil LD 50 (Rat): > 5,000 mg/kg (OECD 401)
- Base oil, paraffinic LD 50 (Rat): > 5,000 mg/kg

Dermal**Product:**

- Specified substance(s)** Not classified for acute toxicity based on available data.
- Base oil paraffinic LD 50 (Rabbit): > 5,000 mg/kg
- Base oil, naphthenic LD 50 (Rabbit): > 5,001 mg/kg
- Base oil, paraffinic LD 50 (Rat): > 5,000 mg/kg

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Inhalation**Product:**

Not classified for acute toxicity based on available data.

Specified substance(s)

Base oil paraffinic LC 50 (Rat, 4 h): > 5.1 mg/l
Dust and mist

Base oil, naphthenic LC 50 (Rat, 4 h): > 5.53 mg/l
Dust and mist

Skin Corrosion/Irritation:**Product:** Based on available data, the classification criteria are not met.**Specified substance(s)**

Base oil paraffinic OECD 404 Not irritant.

Base oil OECD 404 (Rabbit): Not irritant.

Serious Eye Damage/Eye Irritation:**Product:** Based on available data, the classification criteria are not met.**Specified substance(s)**

Base oil paraffinic OECD 405 Not irritant.

Base oil OECD 405 (Rabbit): Not irritant.

Respiratory or Skin Sensitization:

Product: Skin sensitizer: Based on available data, the classification criteria are not met.
Respiratory sensitizer: Based on available data, the classification criteria are not met.

Specified substance(s)

Base oil paraffinic No sensitizing effect (guinea pig); OECD 406

Base oil No sensitizing effect (guinea pig); OECD 406

Germ Cell Mutagenicity**Product:** Based on available data, the classification criteria are not met.**Carcinogenicity****Product:** Based on available data, the classification criteria are not met.**IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

NTP: US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogenic components identified

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Reproductive toxicity

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

Specific Target Organ Toxicity - Single Exposure

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

Specific Target Organ Toxicity - Repeated Exposure

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

Aspiration Hazard

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

12 ECOLOGICAL INFORMATION

General information: Not applicable

12.1 Toxicity**Acute toxicity**

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

Fish**Specified substance(s)**

Base oil paraffinic	LC 50 (Fish, 96 h): > 100 mg/l
Base oil, naphthenic	LC 50 (Fish, 96 h): > 101 mg/l
Base oil, paraffinic	LC 50 (Fish, 96 h): 1,000 - 5,000 mg/l

Aquatic Invertebrates**Specified substance(s)**

Base oil paraffinic	EC 50 (Water Flea, 48 h): > 100 mg/l
Base oil, naphthenic	EC 50 (Water Flea, 48 h): > 101 mg/l
Base oil, paraffinic	EC 50 (Water Flea, 48 h): > 1,001 mg/l

Chronic Toxicity

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

Fish**Specified substance(s)**

Base oil paraffinic	NOEL (Fish, 14 d): 1,000 mg/l
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Aquatic Invertebrates**Specified substance(s)**

Base oil paraffinic	NOEL (Water Flea, 21 d): 10 mg/l
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Toxicity to Aquatic Plants**Specified substance(s)**

Base oil paraffinic	NOEC (Alga, 72 h): > 100 mg/l
Base oil, naphthenic	EC 50 (Alga, 72 h): > 101 mg/l

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Base oil, paraffinic EC 50 (Alga, 96 h): > 1,001 mg/l

12.2 Persistence and Degradability**Biodegradation****Product:** Not applicable for mixtures**Specified substance(s)**

Base oil paraffinic 31 % (28 d)

Base oil, naphthenic Inherently biodegradable

12.3 Bioaccumulative potential**Product:** Not applicable for mixtures**12.4 Mobility in soil:****Product:** Not applicable for mixtures**12.5 Results of PBT and vPvB assessment:**

The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Other adverse effects:

No data available.

13 Disposal considerations**13.1 Waste treatment methods****General information:** Dispose in accordance with all applicable regulations.**Disposal methods:** Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.**14 TRANSPORT INFORMATION****TDG**

Not Regulated.

IMDG - International Maritime Dangerous Goods Code

Not Regulated.

IATA

Not Regulated.

Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.**15 REGULATORY INFORMATION****Inventory Status**

DSL	Not in compliance with the inventory.
NDSL	On or in compliance with the inventory
TSCA	On or in compliance with the inventory

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16 OTHER INFORMATION

Revision Information: Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Revision Date: 03.04.2025

Disclaimer: The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.

Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative