

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name: COFRAN 4 FONCTIONS NG AR/UN

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

Identified uses: Lubricant

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier COFRAN FLF
1, Place des Papeteries
92000 Nanterre
France

Telephone: +33 (0) 1 41 37 42 00
Fax: +33 (0) 1 41 37 42 16

Contact Person:
E-mail: info@cofran.fr

1.4 Emergency telephone number: +33 (0)1 45 42 59 59 (ORFILA)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

Classification according to Regulation (EC) No 1272/2008 as amended.

Physical Hazards

Aerosol	Category 1	H222: Extremely flammable aerosol. H229: Pressurized container: May burst if heated.
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Health Hazards

Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.
Specific Target Organ Toxicity - Single Exposure	Category 3	H336: May cause drowsiness or dizziness.
Aspiration Hazard	Category 1	H304: May be fatal if swallowed and enters airways.

Product name: COFRAN 4 FONCTIONS NG AR/UN

Environmental Hazards

Chronic hazards to the aquatic environment Category 3 H412: Harmful to aquatic life with long lasting effects.

Hazard summary

Physical Hazards: Flammable aerosol.

Health Hazards

Inhalation: Has a narcotic effect.

Skin Contact: At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

2.2 Label Elements



Signal Words: Danger

Hazard Statement(s): H222: Extremely flammable aerosol.
H229: Pressurized container: May burst if heated.
H336: May cause drowsiness or dizziness.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention: P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.

Response: P391: Collect spillage.

Storage: P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P405: Store locked up.

Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Supplemental label information

EUH208: Contains: Aryl aldehyde. May produce an allergic reaction.

EUH066: Repeated exposure may cause skin dryness or cracking.
Restricted to professional users.

Product name: COFRAN 4 FONCTIONS NG AR/UN

2.3 Information on other hazards

No data available.

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Results of PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information:

Mixture of components with propellant in aerosol can. The components are not hazardous or are below required disclosure limits.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Butane (<0,1% 1,3-butadiene)	EINECS: 203-448-7	0% - <100,00%	01-2119474691-32	
Hydrocarbons, low viscous	EINECS: 919-857-5	25,00% - <50,00%	01-2119463258-33	
hydrocarbons, C10, aromatic, < 1% naphthalene	EINECS: 918-811-1	2,50% - <10,00%	01-2119463583-34	
Alkyl diamine derivative	EINECS: 251-846-4	1,00% - <2,50%	01-2119974119-29	
Aryl aldehyde	EINECS: 203-213-9	0% - <1,00%		
isopentyl acetate	EINECS: 204-662-3	0% - <=1,00%	01-2119548408-32	
ethyl acetate	EINECS: 205-500-4	0% - <=1,00%	01-2119475103-46	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Product name: COFRAN 4 FONCTIONS NG AR/UN

Classification

Chemical name	Identifier	Classification
Butane (<0,1% 1,3-butadiene)	EINECS: 203-448-7	CLP: Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Hydrocarbons, low viscous	EINECS: 919-857-5	CLP: Asp. Tox. 1;H304, Flam. Liq. 3;H226, STOT SE 3;H336 EUH066
hydrocarbons, C10, aromatic, < 1% naphthalene	EINECS: 918-811-1	CLP: Asp. Tox. 1;H304, STOT SE 3;H336, Aquatic Chronic 2;H411 EUH066
Alkyl diamine derivative	EINECS: 251-846-4	CLP: Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT RE 2;H373, Aquatic Acute 1;H400, Aquatic Chronic 2;H411; M-Factor (aquatic acute): 10
Aryl aldehyde	EINECS: 203-213-9	CLP: Skin Irrit. 2;H315, Skin Sens. 1A;H317, Eye Irrit. 2;H319, Acute Tox. 4;H312, Aquatic Chronic 3;H412
isopentyl acetate	EINECS: 204-662-3	CLP: Flam. Liq. 3;H226 EUH066
ethyl acetate	EINECS: 205-500-4	CLP: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336 EUH066

CLP: Regulation No. 1272/2008.

specific concentration limit

Chemical name	Identifier	specific concentration limit	Hazard class	Hazard Category	Hazard statements
Aryl aldehyde	EINECS: 203-213-9	>= 0,01 %	Skin sensitizer	1A	H317

For the wording of the listed hazard statements refer to section 16.

SECTION 4: First aid measures

General: Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

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. Get medical attention if irritation persists after washing.

Skin Contact: Wash with soap and water. Get medical attention if irritation persists after washing.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: Dizziness Freeze burns

Product name: COFRAN 4 FONCTIONS NG AR/UN

4.3 Indication of any immediate medical attention and special treatment needed Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

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: Danger of explosion with aerosol cans.

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: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Avoid inhalation of spray mist and contact with skin and eyes. Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

6.2 Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up: Scrape up spillage or absorb with absorbing material. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations.

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.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.

Product name: COFRAN 4 FONCTIONS NG AR/UN

SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Avoid contact with flame and heat source, prevent contact with direct sunlight Use only in well-ventilated areas. Avoid contact with eyes, skin, and clothing.
- 7.2 Conditions for safe storage, including any incompatibilities:** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Local regulations for the storage and handling of aerosol cans and flammable liquids have to be kept. Keep away from heat/sparks/hot surfaces. - No smoking.
- 7.3 Specific end use(s):** Not applicable

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Butane (<0,1% 1,3-butadiene)	VME	800 ppm 1.900 mg/m3	France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984, as amended (01 2008)
isopentyl acetate	TWA	50 ppm 270 mg/m3	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
isopentyl acetate	STEL	100 ppm 540 mg/m3	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
isopentyl acetate	VME	50 ppm 270 mg/m3	France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984, as amended (01 2008)
isopentyl acetate	VLE	100 ppm 540 mg/m3	France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984, as amended (01 2008)
ethyl acetate	VLE	400 ppm 1.468 mg/m3	France. OELs. Occupational Exposure Limits as Prescribed by Art. R.4412-149 of Labor Code, as amended (03 2016)
ethyl acetate	VME	200 ppm 734 mg/m3	France. OELs. Occupational Exposure Limits as Prescribed by Art. R.4412-149 of Labor Code, as amended (03 2016)

8.2 Exposure controls

Appropriate engineering controls: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of spray.

Individual protection measures, such as personal protective equipment (PPE)

Product name: COFRAN 4 FONCTIONS NG AR/UN

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.
Skin protection	
Hand Protection:	Material: Nitrile butyl rubber (NBR). Min. Breakthrough time: ≥ 480 min Recommended thickness of the material: $\geq 0,38$ 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:	Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol. If ventilation is insufficient, suitable respiratory protection must be provided. Filter P1. Filter A.
Thermal hazards:	No decomposition if used and stored according to specifications.
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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Aerosol
Form:	Aerosol
Color:	Colorless
Odor:	No data available.
pH:	substance/mixture is non-soluble (in water)
Freezing point:	not determined
Boiling Point:	not determined
Flash Point:	Not applicable
Flammability (solid, gas):	not determined
Explosion Limit - Upper (%):	Not applicable for mixtures

Product name: COFRAN 4 FONCTIONS NG AR/UN

Explosion Limit - Lower (%):	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Relative vapor density:	Not applicable for mixtures
Density:	1,00 g/cm ³
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Auto-ignition temperature:	not determined
Decomposition Temperature:	not determined
Kinematic viscosity:	< 7 mm ² /s (40 °C)
Particle characteristics:	Not applicable
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.
10.4 Conditions to avoid:	Stable under normal use conditions. Avoid exposing aerosol containers to high temperatures or direct sunlight.
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.

SECTION 11: Toxicological information

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

Acute toxicity

Oral

Product: Not classified for acute toxicity based on available data.

Product name: COFRAN 4 FONCTIONS NG AR/UN

Specified substance(s)

Hydrocarbons, low vis- cous	LD 50 (Rat): > 5.001 mg/kg (OECD 401)
hydrocarbons, C10, aro- matic, < 1% naphthalene	LD 50 (Rat): > 6.318 mg/kg
Aryl aldehyde	LD 50: 2.220 mg/kg
ethyl acetate	LD 50 (Rat): 5.600 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.
Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, low vis- cous	LD 50 (Rabbit): > 5.000 mg/kg (OECD 402)
Aryl aldehyde	LD 50: 1.260 mg/kg
ethyl acetate	LD 50 (Rabbit): 18.000 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.
Not classified for acute toxicity based on available data.

Specified substance(s)

Butane (<0,1% 1,3- butadiene)	LC 50 (Rat, 4 h): 658 mg/l Gas
Hydrocarbons, low vis- cous	LC 50 (Rat, 1 h): 40,2 mg/l Vapour
ethyl acetate	LC 50 (Rat, 4 h): 1.600 mg/l

Skin Corrosion/Irritation:

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

Specified substance(s)

Alkyl diamine derivative (Rabbit):
Irritating to skin.

Serious Eye Damage/Eye Irritation:

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

Specified substance(s)

Alkyl diamine derivative OECD 405 (Rabbit):
Irritating to eyes.

Product name: COFRAN 4 FONCTIONS NG AR/UN

Respiratory or Skin Sensitization:

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

Specified substance(s)

Alkyl diamine derivative

No sensitizing effect (guinea pig); OECD 406

ethyl acetate

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.

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 met.

Specified substance(s)

ethyl acetate

Nervous System
May cause drowsiness or dizziness.

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 met.

11.2 Information on other hazards

Endocrine disrupting properties

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Product name: COFRAN 4 FONCTIONS NG AR/UN

SECTION 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)

Hydrocarbons, low vis-
cous LC 50 (Fish, 96 h): > 1.000 mg/l

Alkyl diamine derivative LC 50 (Fish, 96 h): 1,34 mg/l (OECD 203)

ethyl acetate LC 50 (Fish, 96 h): 230 mg/l

Aquatic Invertebrates

Specified substance(s)

Hydrocarbons, low vis-
cous EC 50 (Water Flea, 48 h): > 1.000 mg/l (OECD 202)

Alkyl diamine derivative EC 50 (Water Flea, 48 h): 0,048 mg/l

ethyl acetate EC 50 (Water Flea, 48 h): 717 mg/l

Chronic ToxicityProduct: Based on available data, the classification criteria are met.

Toxicity to Aquatic Plants

Specified substance(s)

Hydrocarbons, low vis-
cous EC 50 (Alga, 72 h): > 1.001 mg/l (OECD 201)

12.2 Persistence and Degradability

Biodegradation

Product: Not applicable for mixtures

Specified substance(s)

Alkyl diamine derivative 61 % (28 d, OECD 301F) The product is readily biodegradable.

ethyl acetate 79 % (20 d, OECD 301D) The product is readily biodegradable.

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

Specified substance(s)

ethyl acetate Bioconcentration Factor (BCF): 30

12.4 Mobility in soil:

Product: Not applicable for mixtures

Product name: COFRAN 4 FONCTIONS NG AR/UN

12.5 Results of PBT and vPvB assessment: The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Endocrine disrupting properties

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects: Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

European Waste Codes

16 05 04*: Gases in pressure containers (including halons) containing hazardous substances.

SECTION 14: Transport information

ADR/RID

14.1 UN number or ID number:	UN 1950
14.2 UN Proper Shipping Name:	AEROSOLS
14.3 Transport Hazard Class(es)	
Class:	2
Label(s):	2.1
Hazard No. (ADR):	–
Tunnel restriction code:	(D)
14.4 Packing Group:	–
14.5 Environmental hazards:	Dangerous for the environment
14.6 Special precautions for user:	–

Product name: COFRAN 4 FONCTIONS NG AR/UN

IMDG

14.1 UN number or ID number: UN 1950
14.2 UN Proper Shipping Name: AEROSOLS
14.3 Transport Hazard Class(es)
Class: 2.1
Label(s): 2.1
EmS No.: F-D, S-U
14.3 Packing Group: –
14.5 Environmental hazards: Marine pollutant
14.6 Special precautions for user: –

IATA

14.1 UN number or ID number: UN 1950
14.2 Proper Shipping Name: Aerosols, flammable
14.3 Transport Hazard Class(es):
Class: 2.1
Label(s): 2.1
14.4 Packing Group: –
14.5 Environmental hazards: Dangerous for the environment
14.6 Special precautions for user: –

14.7 Maritime transport in bulk according to IMO instruments: Not applicable.

SECTION 15: Regulatory information

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

EU Regulations

EU. Ozone Depleters, Annex I to Regulation 2024/590 on Substances that Deplete the Ozone Layer: none

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

National Regulations

INRS, maladies professionnelles, table of work-related illnesses

Listed: 84

Product name: COFRAN 4 FONCTIONS NG AR/UN

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

DIRECTIVE 2012/18/EU (SEVESO III) on the control of major-accident hazards involving dangerous substances

Hazard category in accordance with Regulation (EC) No 1272/2008	Qualifying quantity for the application of Lower-tier requirements:	Qualifying quantity for the application of Upper-tier requirements:
P3a: P3a. Flammable aerosols	150 t	500 t

SECTION 16: Other information

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

Wording of the H-statements in section 2 and 3

- EUH066 Repeated exposure may cause skin dryness or cracking.
- H220 Extremely flammable gas.
- H222 Extremely flammable aerosol.
- H225 Highly flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- H229 Pressurized container: May burst if heated.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- 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.
- H412 Harmful to aquatic life with long lasting effects.

Other information: The classification complies with the current EU lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: - On the basis of test data - Calculation Method - Bridging Principle "Substantially similar mixtures" - Expert Judgement

Revision Date: 26.08.2025

Product name: COFRAN 4 FONCTIONS NG AR/UN

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