

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:	Rivolta F.L. CPG Spray
1 2 Relevant identified uses of the subs	tance or mixture and uses advised against
	ande of mixture and uses advised against
Identified uses:	Anticorrosion product

	/ and enroelen preddet
Uses advised against:	No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier	Bremer & Leguil GmbH Am Burgacker 30 - 42 47051 Duisburg / Germany info@bremer-leguil.de
Telephone:	+49 (0)203 / 9923-0
Contact Person: E-mail:	Bremer & Leguil GmbH - Product Safety Management product-safety@bremer-leguil.de
1.4 Emergency telephone number:	+49 (0) 6131 19240 (Giftinformationszentrum Mainz)

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.
Hazard summary Physical Hazards:	Flammable aerosol.	
2.2 Label Elements		
Signal Words:	Danger	
Hazard Statement(s):	H222: Extremely flamm H229: Pressurized con	nable aerosol. tainer: May burst if heated.



Precautionary Statemen	ts
General information:	P102: Keep out of reach of children.
Prevention:	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211: Do not spray on an open flame or other ignition source. P251: Do not pierce or burn, even after use.
Storage:	P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
Supplemental label infor	mation EUH208: Contains: Calcium Sulfonate. May produce an allergic reaction.
2.3 Information on other haz- ards	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.
Endocrine disrupting prop- erties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Com- mission 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.

Chemical name	Identifier	Concentration *	REACH Registra- tion No.	Notes
Propane	EINECS: 200-827-9	0% - <100,00%	01-2119486944-21	
Butane (<0,1% 1,3-butadiene)	EINECS: 203-448-7	0% - <100,00%	01-2119474691-32	
Isobutane (<0,1% 1,3-butadiene)	EINECS: 200-857-2	0% - <100,00%	01-2119485395-27	
Calcium Sulfonate	EINECS: 263-093-9	0,10% - <1,00%	01-2119488992-18	
Calcium Sulfonate	EINECS: 271-529-4	>=0,10% - <1,00%	01-2119492627-25	
Ca Sulfonate	EINECS: 274-263-7	0,10% - <1,00%	01-2119492616-28	

* 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.



Classification

Chemical name	Identifier	Classification	
Propane	EINECS: 200-827-9	CLP:	Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Butane (<0,1% 1,3-butadiene)	EINECS: 203-448-7	CLP:	Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Isobutane (<0,1% 1,3-butadiene)	EINECS: 200-857-2	CLP:	Flam. Gas 1A;H220, Press. Gas Compr. Gas;H280
Calcium Sulfonate	EINECS: 263-093-9	CLP:	Skin Sens. 1B;H317
Calcium Sulfonate	EINECS: 271-529-4	CLP:	Skin Sens. 1B;H317
Ca Sulfonate	EINECS: 274-263-7	CLP:	Skin Sens. 1B;H317

CLP: Regulation No. 1272/2008.

specific concentration limit

Chemical name		specific concentra- tion limit	Hazard class	Category	Hazard state- ments
Calcium Sulfonate	EINECS: 263-093-9	>= 10 %	Skin sensitizer	1B	H317
Calcium Sulfonate	EINECS: 271-529-4	>= 10 %	Skin sensitizer	1B	H317
Ca Sulfonate	EINECS: 274-263-7	>= 10 %	Skin sensitizer	1B	H317

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

SECTION 4: First aid measures

General:	Instantly remove any clothing soiled by the product.
4.1 Description of first aid measu	ires
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:	Wash with soap and water.
Ingestion:	Rinse mouth thoroughly.
4.2 Most important symptoms and effects, both acute and delayed:	Dizziness Freeze burns
4.3 Indication of any immediate medical attention and spe- cial treatment needed	Get medical attention if symptoms occur.
SECTION 5: Firefighting measures	6

General Fire Hazards:Use water spray to keep fire-exposed containers cool. Fight fire from a pro-
tected location. Move containers from fire area if you can do so without risk.5.1 Extinguishing media
Suitable extinguishing me-
dia:CO2, fire extinguishing powder or fog like water spraying. Extinguish larger
fires with alcohol resistant foam or spray water with suitable surfactant add-
ed



FIGUUCI Hame. Rivolla F.L. CFG Sp	Лау
Unsuitable extinguishing media:	Water with a full water jet.
5.2 Special hazards arising from the substance or mix- ture:	Danger of explosion with aerosol cans.
5.3 Advice for firefighters	
Special fire-fighting proce- dures:	Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water inaccordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.
Special protective equip- ment for fire-fighters:	Firefighters must use standard protective equipment including flame retard- ant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
SECTION 6: Accidental release m	easures
6.1 Personal precautions, pro- tective equipment and emergency procedures:	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. Keep away from sources of ignition - No smoking.
6.2 Environmental Precautions:	Avoid release to the environment. Environmental manager must be in- formed 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. Stop the flow of ma- terial, if this is without risk. Dispose of the material collected according to regulations.
6.4 Reference to other sec- tions:	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

SECTION 7: Handling and storage:

7.1 Precautions for safe han- dling:	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 min- eral oil products or chemical products. Avoid contact with flame and heat source, prevent contact with direct sunlight Use only in well-ventilated are- as.
7.2 Conditions for safe storage, including any incompatibili- ties:	Pressurized container: protect from sunlight and do not expose to tempera- tures exceeding 50°C. Do not pierce or burn, even after use. Local regula- tions concerning handling and storage of waterpolluting products have to be followed. Local regulations for the storage and handling of aerosol cans and flammable liquids have to be kept. Keep away from heat/sparks/hot surfac- es No smoking.



7.3 Specific end use(s):	Not applicable
--------------------------	----------------

Storage Class: 2 B, Aerosols

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Туре	Exposure Limit Values	Source
Propane	AGW	1.000 ppm 1.800 mg/m3	Germany. TRGS 900, Occupational Exposure Limits (AGW), as amended (01 2012)
Butane (<0,1% 1,3- butadiene)	AGW	1.000 ppm 2.400 mg/m3	Germany. TRGS 900, Occupational Exposure Limits (AGW), as amended (01 2012)
Isobutane (<0,1% 1,3- butadiene)	AGW	1.000 ppm 2.400 mg/m3	Germany. TRGS 900, Occupational Exposure Limits (AGW), as amended (01 2012)
Synthetic Hydrocarbon - Respirable fraction.	AGW	5 mg/m3	Germany. TRGS 900, Occupational Exposure Limits (AGW), as amended (01 2012)
Calcium Sulfonate - Respira- ble fraction.	AGW	5 mg/m3	Germany. TRGS 900, Occupational Exposure Limits (AGW), as amended (11 2015)

8.2 Exposure controls

Appropriate engineering controls:	Provide adequate ventilation. Ventilation rates should be matched to condi- tions. 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 air- borne levels to an acceptable level.
Individual protection measure	es, such as personal protective equipment
General information:	Wash hands before breaks and after work. Use personal protective equip- ment as required. Personal protection equipment should be chosen accord- ing to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be ad- hered to inhandling the chemicals or the mineral oil products.
Eye/face protection:	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 recom- mended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety direc- tions. The exact break through time has to be found out by the manufactur- er of the protective gloves and has to be observed.
Other:	Do not carry cleaning cloths impregnated with the product in trouser pock- ets. Wear suitable protective clothing.



Respiratory Protection:	Do not breathe dust/fume/gas/mist/vapors/spray. Provide adequate ventila- tion. In case of inadequate ventilation wear respiratory protection. Filter AX/P2.
Thermal hazards:	Not known.
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 foot- wear 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:	Beige
Odor:	Odorless
pH:	substance/mixture is non-soluble (in water)
Freezing point:	not determined
Boiling Point:	not determined
Flash Point:	< -60 °C (DIN EN ISO 2719)
Flammability (solid, gas):	not determined
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
Density:	0,95 g/cm3 (15 °C) (DIN 51757)
Solubility(ies)	
Solubility in Water:	The product is 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:	not determined
Particle characteristics:	Not applicable
.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.



Product name: Rivolta F.L. CPG Sp	pray	
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 oth- er toxic gases or vapors.	
SECTION 11: Toxicological inform	nation	
11.1 Information on hazard class	es as defined in Regulation (EC) No 1272/2008	
Acute toxicity		
Oral Product:	Not classified for acute toxicity based on available data.	
Specified substance(s) Calcium Sulfonate	LD 50 (Rat): > 16.000 mg/kg	
Calcium Sulfonate	LD 50 (Rat): > 5.001 mg/kg	
Ca Sulfonate	LD 50 (Rat): > 5.000 mg/kg (OECD 401)	
Dermal Product:	Not classified for acute toxicity based on available data.	
Specified substance(s) Calcium Sulfonate	LD 50 (Rat): > 5.001 mg/kg	
Calcium Sulfonate	LD 50 (Rabbit): > 5.001 mg/kg	
Ca Sulfonate	LD 50 (Rabbit): > 5.000 mg/kg (OECD 402)	
Inhalation Product:	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	
Skin Corrosion/Irritation: Product: Specified substance(s) Calcium Sulfonate	Based on available data, the classification criteria are not met.	
	OECD 404 (Rabbit): Not irritant.	
Calcium Sulfonate	OECD 404 (Rabbit): Not irritant.	
Ca Sulfonate	OECD 404 (Rabbit): Not irritant.	



Serious Eye Damage/Eye Irr Product:	itation: Based on available data, the classification criteria are not met.	
Specified substance(s)		
Calcium Sulfonate	OECD 405 (Rabbit): Not irritant.	
Respiratory or Skin Sensitiz	ation:	
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) Calcium Sulfonate		
	May cause sensitization by skin contact.	
Calcium Sulfonate		
	May cause sensitization by skin contact.	
Ca Sulfonate		
	May cause sensitization by skin contact.	
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 Toxic Product:	ity - Single Exposure Based on available data, the classification criteria are not met.	
Specific Target Organ Toxic Product:	ity - Repeated Exposure Based on available data, the classification criteria are not met.	
Aspiration Hazard Product:	Based on available data, the classification criteria are not met.	
11.2 Information on other haz- ards		
Endocrine disrupting properties		
Product:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Com- mission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.	



SECTION 12: Ecological information

Acute toxicity Product:	Based on available data, the classification criteria are not met.
Fish Specified substance(s)	
Propane	LC 50 (Fish, 96 h): > 1.000 mg/l
Isobutane (<0,1% 1,3- butadiene)	LC 50 (Fish, 96 h): 28 mg/l
Calcium Sulfonate	LC 50 (Fish, 96 h): > 10.000 mg/l (OECD 203)
Calcium Sulfonate	LL 50 (Cyprinodon variegatus, 96 h): > 10.000 mg/l (OECD 203)
Ca Sulfonate	LC 50 (Fish, 96 h): > 1.001 mg/l (OECD 203)
Aquatic Invertebrates Specified substance(s) Isobutane (<0,1% 1,3- butadiene)	EC 50 (Water Flea, 48 h): 16,3 mg/l
Calcium Sulfonate	EC 50 (Water Flea, 48 h): > 100 mg/l (OECD 202)
Calcium Sulfonate	EL50 (Daphnia magna, 48 h): > 1.000 mg/l
Ca Sulfonate	EC 50 (Water Flea, 48 h): > 1.001 mg/l
Chronic ToxicityProduct:	Based on available data, the classification criteria are not met.
Toxicity to Aquatic Plants Specified substance(s) Isobutane (<0,1% 1,3- butadiene)	EC 50 (Alga, 72 h): 8,6 mg/l
Calcium Sulfonate	EL50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 1.000 mg/l
Ca Sulfonate	EC 50 (Alga, 72 h): > 1.000 mg/l
12.2 Persistence and Degradabili	ty
Biodegradation Product:	Not applicable for mixtures
Specified substance(s) Calcium Sulfonate	8,6 % (28 d) Not easily 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 crite- ria.



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 Com- mission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7 Other adverse effects:	No data available.
Water Hazard Class (WGK):	WGK 1: slightly water-endangering.

SECTION 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.
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: 14.2 UN Proper Shipping Name: 14.3 Transport Hazard Class(es) Class: Label(s):	UN 1950 AEROSOLS 2 2.1
Hazard No. (ADR): Tunnel restriction code:	_ (D)
14.4 Packing Group:	_
14.5 Environmental hazards:	_
14.6 Special precautions for user:	-
IMDG	
14.1 UN number or ID number:	UN 1950
14.2 UN Proper Shipping Name: 14.3 Transport Hazard Class(es)	AEROSOLS
Class:	2.1
Label(s):	2.1
EmS No.:	F-D, S-U
14.3 Packing Group:	-
14.5 Environmental hazards:	-
14.6 Special precautions for user:	-



ΙΑΤΑ	
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:	_
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. Regulation 2024/590/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: 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

Water Hazard Class (WGK):	WGK 1: slightly water-endangering.
15.2 Chemical safety as-	No Chemical Safety Assessment has been carried out.

sessment:

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

Hazard category in accordance	Qualifying quantity for the appli-	Qualifying quantity for the appli-
with Regulation (EC) No	cation of Lower-tier require-	cation of Upper-tier require-
1272/2008	ments:	ments:
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

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H317	May cause an allergic skin reaction.

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 simi- lar mixtures" - Expert Judgement
Revision Date: Disclaimer:	24.01.2025 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 de- duced 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 pro- cessing, 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 sig- nature.

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: AIIC - 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