SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name

PREMIX B4

UFI:

RF00-40XN-U00E-597R

https://my.chemius.net/p/nqFAsA/en/pd/en

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

Relevant identified uses

The mixture of raw materials for the production of detergents.

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet

Manufacturer

SILKEM, d. o. o.
Tovarniška cesta 10
2325 Kidričevo, Slovenia
+386 2 7991 200
info@silkem.si

1.4 Emergency Telephone Number

Emergency

112

Manufacturer

+386 2 7991 208 (7h - 15h)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Skin Irrit. 2; H315 Causes skin irritation.
Eye Dam. 1; H318 Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Signal word: Danger

Hazard statements:

H315 Causes skin irritation.
H318 Causes serious eye damage.

Supplemental hazard information (EU):

Not applicable.

Precautionary statements:

P264 Wash hands, face and exposed skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/attention.

Contains:

Silicic acid, sodium salt (1,6 < MR ≤ 2,6)

2.3 Other hazards

PBT/vPvB

No information.

Endocrine disrupting properties

No information.

Additional information

No information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	Notes for substances
Sodium sulphate	7757-82-6 231-820-9 - 01-2119519226-43-0000	47-53	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	1318-02-1 930-915-9 - 01-2119429034-49-0017	17-23	/	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	1344-09-8 215-687-4 - 01-2119448725-31-0029	11-13	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	/	/
Fatty acids, C16-18, sodium salts	68424-38-4 270-299-2 -	9-11	/	/	/
Sodium Carboxymethylcellulose	9004-32-4 - -	4.9-5.1	/	/	/

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes

When in doubt or if feeling unwell seek medical assistance.

Following inhalation

Ventilate the premises. Inhale fresh air. If difficulties with breathing do not stop, search for medical help.

Following skin contact

Wash affected skin areas thoroughly with plenty of water and soap.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Consult a physician immediately!

Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Immediately consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Causes irritation of mucous membrane. May cause irritation of upper respiratory tract: signs / symptoms include coughing and sneezing.

Following skin contact

Contact with skin may cause irritation (redness, itching). Prolonged or repeated exposure causes slight skin inflammation: signs/symptoms: localised redness, swelling, itching and dryness.

Following eye contact

Redness, tearing, pain. Symptoms may include: rubescence, edema, pain and lachrymation.

Following ingestion

May cause abdominal discomfort.

4.3 Indication of any immediate medical attention and special treatment needed

No information.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use the usual extinguishing measures (carbon dioxide (CO_2), dry chemical, foam; water spray)

Unsuitable extinguishing media

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

No information.

5.3 Advice for firefighters

Protective actions

In case of fire or heating do not breathe fumes/vapours.

Special protective equipment for fire-fighters

Select according to conditions and other factors.

Additional information

No information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Avoid contact with the eyes and skin.

Precautionary measures

Ensure adequate ventilation.

Emergency procedures

No information.

For emergency responders

No information.

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems and ground water.

6.3 Methods and material for containment and cleaning up

For containment

No information.

For cleaning up

Pick up mechanically and remove it in accordance with regulation.

OTHER INFORMATION

No information.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

No information.

Measures to prevent aerosol and dust generation

No information.

Measures to protect the environment

No information.

Other measures

No information.

Advice on general occupational hygiene

Avoid contact with skin and eyes. Do not eat, drink or smoke while working.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep in tightly closed container. Keep in cool and well ventilated area.

Packaging materials

No information.

Requirements for storage rooms and vessels

No information.

Storage class

No information.

Further information on storage conditions

No information.

7.3 Specific end use(s)

Recommendations

No information.

Industrial sector specific solutions

No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values

Name	mg/m³	ml/m³	Short-term value mg/m³	Short-term value ml/m³	Remark	Biological Tolerance Values
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	10	/	/	/	WEL long-term, inhalable	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	4	/	/	/	WEL long-term, respirable	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	10	/	/	/	UK, DE, IUCLID	/

Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product

No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	value
Sodium sulphate	Worker	inhalation	long term systemic effects	/	20 mg/m³
Sodium sulphate	Worker	inhalation	long term local effects	/	20 mg/m³

Name	Type	Exposure route	exp. frequency	Remark	value
Sodium sulphate	Consumer	inhalation	long term systemic effects	/	12 mg/m³
Sodium sulphate	Consumer	inhalation	long term local effects	/	12 mg/m³
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	Worker	inhalation	long term	/	3 mg/m³
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	Worker	dermal	long term	/	2.5 mg/kg bw/day
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	Worker	dermal	long term systemic effects	/	1.59 mg/kg bw/day
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	Worker	inhalation	long term systemic effects	/	5.61 mg/m³
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	Consumer	dermal	long term systemic effects	/	0.8 mg/kg bw/day
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	Consumer	inhalation	long term systemic effects	/	1.38 mg/m³
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	Consumer	oral	long term systemic effects	/	0.8 mg/kg bw/day

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	value
Sodium sulphate	fresh water	/	11.09 mg/L
Sodium sulphate	marine water	/	1.109 mg/L
Sodium sulphate	water treatment plant	/	800 mg/L
Sodium sulphate	fresh water sediment	/	40.2 mg/kg
Sodium sulphate	marine water sediment	/	4.02 mg/kg
Sodium sulphate	soil	/	1.54 mg/kg
Sodium sulphate	water, intermittent release	/	17.66 mg/L
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	fresh water	/	3.2 mg/L
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	marine water	/	0.32 mg/L
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	soil	/	600 mg/kg dw

Name	Exposure route	Remark	value
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	fresh water	/	7.5 mg/L
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	marine water	/	1 mg/L
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	water, intermittent release	/	7.5 mg/L
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	fresh water sediment	/	7.5 mg/kg
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	water treatment plant	/	348 mg/L
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	food chain	oral	348 mg/kg

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

No information.

Personal protective equipment

Eye and face protection

Tight fitting protective goggles (EN 166).

Hand protection

Protective gloves (EN 374).

Appropriate materials

No information

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

Respiratory protection

Not needed under normal use and adequate ventilation. If needed use respiratory protection-suitable mask with filter.

Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

No information.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state

solid

Colour

white

Odour

odourless

Important health, safety and environmental information

Odour threshold	No information.
Melting point/Freezing point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	10.5 – 11 , conc. 1 %
Viscosity	No information.
Solubility	No information.
Partition coefficient	No information.
Vapour pressure	No information.
Density and/or relative density	Bulk density: 200 – 300 kg/m^3
Relative vapour density	No information.
Particle characteristics	No information.

9.2 OTHER INFORMATION

Explosive properties	No information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information.

10.2 Chemical stability

Product is stable under normal conditions according to handling and storage.

10.3 Possibility of hazardous reactions

No information.

10.4 Conditions to avoid

No special precautions required. Consider the directions for use and storage.

10.5 Incompatible materials

Follow the general rule of incompatible chemicals.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected.

SECTION 11: TOXICOLOGICAL INFORMATION

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

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
Sodium sulphate	oral	LD_{50}	rat	/	2001 mg/kg	OECD 401	/
Sodium sulphate	inhalation	LC_{50}	rat	4 h	5.01 mg/l	OECD 436	/
Sodium sulphate	oral	ATE	/	/	2001 mg/kg bw	/	/
Sodium sulphate	inhalation	ATE	/	4 h	5.01 mg/l	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	oral	LD_{50}	Dog	/	1000 - 31600 mg/kg	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	oral	LD_{50}	rat	/	5000 - 31600 mg/kg	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	oral	LD_{50}	rat	/	> 2000 mg/kg	/	/
Sodium Carboxymethylcellulose	oral	LD_{50}	rat	/	27000 mg/kg	/	/

Name	Exposure route	Type	Species	Time	value	Method	Remark
Sodium Carboxymethylcellulose	inhalation	LC_{50}	rat	4 h	> 5800 mg/m^3	/	/
Sodium Carboxymethylcellulose	dermal	LD_{50}	rabbit	/	> 2000 mg/kg	/	/

(b) Skin corrosion/irritation

For components

Name	Species	Time	result	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	/	/	Non-irritant.	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	/	/	Contact with skin causes irritation.	/	/

(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	result	Method	Remark
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	/	/	/	Severely irritating; causes tearing	/	/

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	result	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	-	/	/	Non sensitising.	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	dermal	mouse	/	Non sensitising.	OECD 429	/

(e) (Germ cell) mutagenicity

For components

Name	Type	Species	Time	result	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	/	/	/	Negative.	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	/	/	/	Not mutagenic.	/	/

(f) Carcinogenicity

For components

Name	Exposure route	Type	Species	Time	value	result	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	/	/	/	/	/	negative	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	/	/	/	/	/	Not carcinogenic.	/	/

(g) Reproductive toxicity

For components

Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	-	-	/	/	/	Negative.	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	/	/	/	/	/	Not toxic for reproduction.	/	/

Summary of evaluation of the CMR properties

No information.

(h) STOT-single exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Remark
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	oral	-	/	/	/	/	/	May cause nausea/vomiting and diarrhea	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	inhalation	/	/	/	/	/	/	Causes respiratory tract irritation.	/	/

(i) STOT-repeated exposure

No information.

(j) Aspiration hazard

No information.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

No information.

Other information

No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute (short-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
Sodium sulphate	LC_{50}	7960 mg/L	96 h	fish	*Pimephales promelas*	/	/
Sodium sulphate	EC_{50}	1766 mg/L	48 h	crustacea	*Daphnia magna*	/	/
Sodium sulphate	EC_{50}	1900 mg/L	72 h	algae	*Nitzschia linearis*	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	EC_{50}	> 100 mg/L	48 h	daphnia	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	LC_{50}	> 680 mg/L	96 h	fish	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	EC_{50}	> 300 mg/L	96 h	algae	/	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	LC_{50}	478 - 3158 mg/L	96 h	fish	/	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	LC_{50}	301 - 478 mg/L	96 h	fish	/	/	/
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	EC_{50}	216 - 18000 mg/L	96 h	algae	/	/	/

Chronic (long-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
Sodium sulphate	NOEC	8000 mg/l	/	crustacea	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	NOEC	> 86.7 mg/l	/	fish	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	NOEC	32 mg/l	/	aquatic invertebrate	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	NOEC	> 200 mg/l	/	sediment organisms	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	LC_{50}	9000 mg/kg soil dw	23 days	Terrestrial plants	/	OECD 208	seedling emergence
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	EC50	9000 mg/kg soil dw	/	Terrestrial plants	/	OECD 208	seedling growth
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	NOEC	5000 mg/kg soil dw	/	Terrestrial plants	/	OECD 208	/

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
Silicic acid, sodium salt (1,6 < MR ≤ 2,6)	-	/	/	not readily biodegradable	/	/

12.3 Bioaccumulative potential

Partition coefficient

For components

Name	Media	value	Temperature °C	pH	Concentration	Method
Sodium sulphate	Octanol-water (log Pow)	-4.38	/	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	organism	value	Duration	Evaluation	Method	Remark
Sodium sulphate	BCF	/	0.5	/	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	-	/	/	/	Does not bioaccumulate.	/	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

No information.

12.5 Results of PBT and vPvB assessment

No evaluation.

12.6 Endocrine disrupting properties

No information.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

Do not allow to reach ground water, water courses or sewage system. Avoid release to the environment.

For components

Zeolite, cuboidal, crystalline, synthetic, non-fibrous
WGK: 0

Silicic acid, sodium salt (1,6 < MR ≤ 2,6)
Do not allow to reach ground water, water bodies or sewage systems.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Dispose according to regulations.

Waste codes / waste designations according to LoW

No information.

Packaging

Deliver completely emptied containers to approved waste disposal authorities.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

No information.

Sewage disposal-relevant information

No information.

Other disposal recommendations

No information.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR/RID	IMDG	IATA	ADN
Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.

14.2 UN proper shipping name

ADR/RID	IMDG	IATA	ADN
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable

14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA	ADN
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable

14.4 Packing group

ADR/RID	IMDG	IATA	ADN
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable

14.5 Environmental hazards

ADR/RID	IMDG	IATA	ADN
NO	NO	NO	NO

14.6 Special precautions for user

ADR/RID	IMDG	IATA	ADN
Limited quantities: **Not given/not applicable**	Limited quantities: **Not given/not applicable**		Limited quantities: **Not given/not applicable**

14.7 Maritime transport in bulk according to IMO instruments

ADR/RID	IMDG	IATA	ADN
	Not given/not applicable		

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

Regulation EC 648/2004 on detergents

No information.

Special instructions

No information.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Indication of changes

2.3 Other hazards 4.1 Description of first aid measures 8.2 Exposure controls 9.1 Information on basic physical and chemical properties 9.2 OTHER INFORMATION 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 12.6 Endocrine disrupting properties 12.7 Other adverse effects 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Key literature references and sources for data

No information.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union

Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of ChemicalsRegulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.