

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

1.1 Product identifier

Product name

PREMIX D20

UFI:

Q800-40JV-700E-UM2M

<https://my.chemius.net/p/rq6X5a/en/pd/en>

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

Relevant identified uses

Industrial use

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.

STOT SE 3; H335 May cause respiratory irritation.

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.

H335 May cause respiratory irritation.

Supplemental hazard information (EU):

Not applicable.

Precautionary statements:

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with national regulation.

Contains:

Silicic acid, sodium salt

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Special provisions

Irritating to eyes, respiratory system and skin. Danger of severe eye injuries. Irritates digestive tract.

2.3 Other hazards**PBT/vPvB**

No information.

Endocrine disrupting properties

No information.

Additional information

The substances in the mixture are not classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

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
Silicic acid, sodium salt	1344-09-8 215-687-4 - 01-2119448725-31-0029	80	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3 270-115-0 -	20	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	/	/

Product description

The mixture contains the neutralised benzenesulfonic acid, 4-C10-C13-sec-alkyl derivs. (CAS 85536-14-7, EC 287-494-3, REACH 01-2119490234-40-xxxx).

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

Following inhalation

Remove patient to fresh air - move out of dangerous area. Ventilate the premises. Inhale fresh air. Seek medical help immediately.

Following skin contact

Areas of the body that have come into contact with the product must be rinsed immediately with plenty of running water. If irritation of skin persists seek medical attention.

Following eye contact

Immediately flush eyes with plenty of water while keeping eyelids apart (at least 15 minutes). Consult a physician immediately! Recommendation (based on practical experience): wash with plenty of water or with 3% boric acid solution.

Following ingestion

Rinse mouth thoroughly with water. Drink 2 glasses of water. Do not induce vomiting! In case of doubt or if feeling unwell seek medical help.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Coughing, sneezing, nasal discharge, labored breathing.

Following skin contact

On contact with skin causes irritation and redness.

Following eye contact

Redness, tearing, pain. Discomfort or pain, excessive blinking, lacrimation and redness, swelling of the conjunctiva.

Following ingestion

Irritates digestive organs - mouth, gullet, digestive tract.

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 (CO₂), dry chemical, foam; water spray)

Unsuitable extinguishing media

Not available.

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

No information.

Additional information

No information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel**Protective equipment**

Use personal protective equipment (Section 8). Wear safety gloves and glasses. Thoroughly clean hands after use or contact.

Precautionary measures

No information.

Emergency procedures

No information.

For emergency responders

High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems and ground water. In case product reaches water bodies or sewage system or contaminates ground inform appropriate authorities in accordance with local regulation. Use appropriate containment to dispose waste (according to current regulation-section 13.)

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

Prevent dusting.

Measures to protect the environment

No information.

Other measures

No information.

Advice on general occupational hygiene

Avoid contact with skin and eyes. Use personal protective equipment. Do not eat or drink while working.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep in well closed containers. Keep in a dry place. Keep container in a well ventilated place.

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/m ³	ml/m ³	Short-term value mg/m ³	Short-term value ml/m ³	Remark	Biological Tolerance Values
Silicic acid, sodium salt	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
Silicic acid, sodium salt	Worker	dermal	long term systemic effects	/	1.59 mg/kg bw/day
Silicic acid, sodium salt	Worker	inhalation	long term systemic effects	/	5.61 mg/m ³
Silicic acid, sodium salt	Consumer	dermal	long term systemic effects	/	0.8 mg/kg bw/day
Silicic acid, sodium salt	Consumer	inhalation	long term systemic effects	/	1.38 mg/m ³

Name	Type	Exposure route	exp. frequency	Remark	value
Silicic acid, sodium salt	Consumer	oral	long term systemic effects	/	0.8 mg/kg bw/day
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Worker	dermal	long term systemic effects	/	170 mg/kg
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Worker	inhalation	long term systemic effects	/	12 mg/m ³
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Consumer	oral	long term systemic effects	/	0.85 mg/kg
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Consumer	dermal	long term systemic effects	/	85 mg/kg
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Consumer	inhalation	long term systemic effects	/	3 mg/m ³
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Worker	inhalation	long term local effects	/	12 mg/m ³
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Consumer	inhalation	long term local effects	/	3 mg/m ³

PNEC values**For product**

No information.

For components

Name	Exposure route	Remark	value
Silicic acid, sodium salt	fresh water	/	7.5 mg/L
Silicic acid, sodium salt	marine water	/	1 mg/L
Silicic acid, sodium salt	water, intermittent release	/	7.5 mg/L
Silicic acid, sodium salt	water treatment plant	/	348 mg/L
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	fresh water	/	0.268 mg/L
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	marine water	/	0.0268 mg/L
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	soil	/	35 mg/kg
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	fresh water sediment	/	8.1 mg/kg

Name	Exposure route	Remark	value
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	marine water sediment	/	8.1 mg/kg
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	water treatment plant	/	2.43 mg/L
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	water, intermittent release	/	0.00167 mg/L

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Avoid contact with eyes and skin.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units available.

Technical measures to prevent exposure

No information.

Personal protective equipment

Eye and face protection

Safety glasses with side protection (EN 166). Eye wash bottle with clean water.

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). Avoid contact with skin. Shower.

Respiratory protection

Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

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 - granules

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	≤ 11
Viscosity	No information.
Solubility	Water: Soluble
Partition coefficient	No information.
Vapour pressure	No information.
Density and/or relative density	Bulk density: 170 – 270 g/cm ³ at 20 °C
Relative vapour density	No information.
Particle characteristics	No information.

9.2 OTHER INFORMATION

Explosive properties	No information.
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Other information

Bulk density: 200 g / cm³

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information.

10.2 Chemical stability

Product is stable under normal conditions.

10.3 Possibility of hazardous reactions

No information.

10.4 Conditions to avoid

Follow directions for use and storage. Protect from moisture and water - keep in dry place.

10.5 Incompatible materials

Light metals, non resistant to alkalis.

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
Silicic acid, sodium salt	oral	LD ₅₀	rat (male/female)	/	= 3400 mg/kg bw	OECD 401	experimental value
Silicic acid, sodium salt	inhalation	LC ₅₀	mouse (male/female)	0 h	> 2.06 mg/m ³	EPA OPPTS 870.1300	/
Silicic acid, sodium salt	dermal	LD ₅₀	rat	/	> 5000 mg/kg bw	EPA OPPTS 870.1200	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	oral	LD ₅₀	rat	/	1260 mg/kg	/	/

(b) Skin corrosion/irritation**For components**

Name	Species	Time	result	Method	Remark
Silicic acid, sodium salt	/	/	Contact with skin causes irritation.	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	rabbit	/	Irritating.	OECD 404	/

(c) Serious eye damage/irritation**For components**

Name	Exposure route	Species	Time	result	Method	Remark
Silicic acid, sodium salt	/	/	/	Severely irritating; causes tearing	/	/

Name	Exposure route	Species	Time	result	Method	Remark
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	/	rabbit	/	Danger of serious eye injury.	OECD 405	/

(d) Respiratory or skin sensitisation**For components**

Name	Exposure route	Species	Time	result	Method	Remark
Silicic acid, sodium salt	dermal	mouse	/	Non sensitising.	OECD 429	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	-	guinea pig	/	Non sensitising.	OECD 406	/

(e) (Germ cell) mutagenicity**For components**

Name	Type	Species	Time	result	Method	Remark
Silicic acid, sodium salt	/	/	/	Not mutagenic.	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	in-vitro mutagenicity	/	/	Non-mutagenic.	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	in-vivo mutagenicity	/	/	Non-mutagenic.	/	/

(f) Carcinogenicity**For components**

Name	Exposure route	Type	Species	Time	value	result	Method	Remark
Silicic acid, sodium salt	/	/	/	/	/	Not carcinogenic.	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	/	/	/	/	/	Not carcinogenic.	/	/

(g) Reproductive toxicity**For components**

Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
Silicic acid, sodium salt	/	/	/	/	/	Not toxic for reproduction.	/	/

Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Reproductive toxicity	NOAEL (P)	rat	2 years	350 mg/kg bw/day	/	/	oral
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Reproductive toxicity	NOAEL (F1/F2)	rat	2 years	350 mg/kg bw/day	/	/	oral
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	/	/	/	/	/	Not toxic for reproduction.	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Teratogenicity	NOAEL	rat	20 days	300 mg/kg bw/day	/	/	oral
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Teratogenicity	NOAEL	rat (female)	20 days	300 mg/kg bw/day	/	/	oral
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Teratogenicity	NOAEL	mouse	20 days	300 mg/kg bw/day	/	/	oral
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Teratogenicity	NOAEL	mouse	20 days	2 mg/kg bw/day	/	/	oral
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	/	-	/	/	/	not teratogenic	/	/

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	oral	-	/	/	/	/	/	May cause nausea/vomiting and diarrhea	/	/
Silicic acid, sodium salt	inhalation	/	/	/	/	/	/	Causes respiratory tract irritation.	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	-	-	/	/	/	/	/	Not reported to have any specific target organ general toxicity single exposure effects.	/	/

(i) STOT-repeated exposure**For components**

Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Remark
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	-	-	/	/	/	/	/	Not reported to have any specific target organ general toxicity repeat exposure effects.	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	oral	NOAEL	rat	28 days	/	blood, liver, heart, thymus	125 mg/kg bw/day	increase in body weight, diarrhea	/	literature
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	oral	LOAEL	rat	28 days	/	blood, liver, heart, thymus	250 mg/kg bw/day	increase in body weight, diarrhea	/	literature

Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Remark
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	-	NOAEL	rat	6 months	/	Blood, Kidney	40 mg/kg bw/day	increase in body weight, diarrhea	/	literature
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	-	LOAEL	rat	6 months	/	Blood, Kidney	115 mg/kg bw/day	increase in body weight, diarrhea	/	literature
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Oral (drinking water)	NOAEL	rat	9 months	/	blood	85 mg/kg bw/day	weight gain	/	literature
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Oral (drinking water)	LOAEL	rat	9 months	/	blood	145 mg/kg bw/day	weight gain	/	literature

(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
Silicic acid, sodium salt	LC ₅₀	478 - 3158 mg/L	96 h	fish	/	/	/
Silicic acid, sodium salt	LC ₅₀	301 - 478 mg/L	96 h	fish	/	/	/
Silicic acid, sodium salt	EC ₅₀	216 - 18000 mg/L	96 h	algae	/	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	LC ₅₀	1.67 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	EC ₅₀	2.9 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	EC ₅₀	29 mg/L	96 h	algae	<i>Selenastrum capricornutum</i>	/	/

Chronic (long-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	NOEC	0.1 - 1 mg/l	28 days	fish	<i>Lepomis macrochirus</i>	/	Growth rate, literature value

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	-	/	/	not readily biodegradable	/	/
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	aerobic	89 %	29 days	/	/	34,3 mg/l

12.3 Bioaccumulative potential

Partition coefficient

For components

Name	Media	value	Temperature °C	pH	Concentration	Method
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Log Pow	3.32	/	/	/	/

Bioconcentration factor (BCF)**For components**

Name	Species	organism	value	Duration	Evaluation	Method	Remark
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	BCF	/	2	/	/	/	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption**For components**

Name	Type	Criterion	value	Evaluation	Method	Remark
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Soil	log KOC	3.32	/	/	/

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

Avoid release to the environment.

For components**Silicic acid, sodium salt**

Do not allow to reach ground water, water bodies or sewage systems.

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Low bioaccumulation potential.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods**Product / Packaging disposal****Waste chemical**

Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW

06 13 99 - wastes not otherwise specified

Packaging

Deliver completely emptied containers to approved waste disposal authorities.

Waste codes / waste designations according to LoW

15 01 02 - plastic packaging

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

9.1 Information on basic physical and chemical properties 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 Chemicals Regulation (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

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.



H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.