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

1.1 Product identifier

Trade name/designation EC 35

Unique Formula Identifier UFI: 0F00-Q072-G00V-4D36

Product category PC-CLN-15.OTH Other cleaners for specific personal items

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

Sector of uses [SU]
SU20 Health services
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3 Industrial uses

* **Product Categories [PC]**
PC35 Washing and cleaning products

Use of the substance/mixture
Liquid, mildly acidic cleaning concentrate for the daily ultrasonic cleaning of dental prostheses.

1.3 Details of the supplier of the safety data sheet

Supplier
Elma Schmidbauer GmbH
Gottlieb-Daimler-Str. 17
D-78224 Singen (Htwl.)
Telephone +49 7731 882-0
Telefax +49 7731 882-266
E-mail info@elma-ultrasonic.com
Website www.elma-ultrasonic.com

Department responsible for information:
Chemie/Labor: Email: chemlab@elma-ultrasonic.com

1.4 Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg (Sprache/Language: DE, EN) +49 761 19240

* SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Aquatic Chronic 3, H412	Calculation method.

Hazard statements for environmental hazards
H412 Harmful to aquatic life with long lasting effects.

Remark
Classification procedure for serious eye damage/eye irritation: Bridging principle ' Substantially similar mixtures.'

2.2 Label elements

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

Hazard statements
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
P102 Keep out of reach of children.
P273 Avoid release to the environment.
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P312 Call a POISON CENTER/doctor if you feel unwell.

Other labelling
Labelling for contents according to regulation (EC) No. 648/2004:
< 5% anionic surfactants
< 5% amphoteric surfactants
< 5% oxygen-based bleaching agents
perfumes

*** 2.3 Other hazards**

* **Adverse human health effects and symptoms**
This product contains a substance that has endocrine disrupting properties with respect to humans.

* **Adverse environmental effects**
Aquatic Acute 3 H402: Harmful to aquatic life.
This product contains a substance that has endocrine disrupting properties with respect to non-target organisms.

Results of PBT and vPvB assessment
The product does not contain any PBT-/vPvB-substances according to the recipe.

* SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

*** 3.2 Mixtures**

Hazardous ingredients

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
67-63-0	200-661-7	603-117-00-0	propan-2-ol	< 5 weight-%	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	
85586-07-8	287-809-4		Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	< 5 weight-%	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	Eye Dam. 1;H318: C>=20% Eye Irrit. 2;H319: 10%<=C<20%
79-21-0	201-186-8	607-094-00-8	peracetic acid ...%	< 1 weight-%	Flam. Liq. 3; H226 Org. Perox. D ; H242 Met. Corr. 1 ; H290 Acute Tox. 3 ; H301 Acute Tox. 2; H310 Acute Tox. 2; H330 Skin Corr. 1A; H314 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410; EUH071	Skin Corr. 1A;H314: C>=10% Skin Corr. 1B;H314: 5%<=C<10% Skin Corr. 1C;H314: 3%<=C<5% Skin Irrit. 2;H315: 1%<=C<3% Eye Dam. 1;H318: C>=3% Eye Irrit. 2;H319: 1%<=C<3% STOT SE 3;H335: C>=1% M=10 (Aquatic Acute 1) M=10 (Aquatic Chronic 1)

REACH No.	Substance name
01-2119457558-25	propan-2-ol
01-2119489463-28	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
01-2119531330-56	peracetic acid ...%

Additional information
Aqueous, mildly acid mixture with anionic and amphoteric surfactants, organic acid and salts, oxygen developing compound, dyestuff and perfumes.

Remark
Mildly acid cleaning concentrate for metallic and plastic dental plates and prosthetics with hygienically refreshing action based on active oxygen.

SECTION 4: First aid measures

4.1 Description of first aid measures

After eye contact
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion
Do NOT induce vomiting.
Rinse mouth immediately and drink plenty of water.
In the event of persistent symptoms receive medical teatment.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms
No further informations available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor
No further informations available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Water
alcohol resistant foam
Carbon dioxide (CO_2)

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products
In case of fire formation of dangerous gases possible.
In the event of fire the following can be released:
Nitrogen oxides (NOx)
Carbon monoxide
Sulphur dioxide (SO_2)

5.3 Advice for firefighters

Special protective equipment for firefighters
Do not inhale explosion and combustion gases.

Additional information
Co-ordinate fire-fighting measures to the fire surroundings.
The product itself does not burn.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Use personal protection equipment.
Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment
Suitable material for taking up:
Sand
Sawdust
Universal binder
Kieselguhr
Flush away residues with water.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures
Handle and open container with care.
Avoid contact with eyes and skin.
The product is not combustible.

Advices on general occupational hygiene
Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep/Store only in original container.
Container should not be closed gas-tight.

Further information on storage conditions
Keep locked up and out of reach of children.
Protect from heat and direct solar radiation.
Keep cool.
Store in a dark place.
Do not keep at temperatures below -5°C.
Do not keep at temperatures above 35°C.
The blue color of the product may become weaker with long storage - this does not change the functional properties of the product.
Storage time: 12 months.

7.3 Specific end use(s)

Recommendation
no further

* SECTION 8: Exposure controls/personal protection

* 8.1 Control parameters

*** Occupational exposure limit values**

CAS No	EC No	Substance name	occupational exposure limit value
67-63-0	200-661-7	Propan-2-ol	200 [ml/m³(ppm)] Short-term(ml/m³) 400 (1) (1) 15 minutes reference period (IE)

CAS No	EC No	Substance name	occupational exposure limit value
67-63-0	200-661-7	Propan-2-ol	400 [ml/m³(ppm)] 999 [mg/m³] Short-term(ml/m³) 500 Short-term(mg/m³) 1250 (UK)
79-21-0	201-186-8	Peracetic acid	Short-term(ml/m³) 0,4 (1)(2) (1) Inhalable fraction (2) 15 minutes average value (IE)

* **DNEL worker**

CAS No	Substance name	DNEL value	DNEL type	Remark
67-63-0	propan-2-ol	888 mg/kg bw/day	long-term dermal (systemic)	Assessment factor 1
67-63-0	propan-2-ol	500 mg/m³	long-term inhalative (systemic)	Assessment factor 1
79-21-0	peracetic acid ...%	0.56 mg/m³	long-term inhalative (systemic)	Assessment factor 30
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	4060 mg/kg	long-term dermal (systemic)	Assessment factor 12
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	285 mg/m³	long-term inhalative (systemic)	Assessment factor 3

* **PNEC**

CAS No	Substance name	PNEC Value	PNEC type	Remark
79-21-0	peracetic acid ...%	0.051 mg/L	sewage treatment plant (STP)	Assessment factor 100
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	0.131 mg/L	aquatic, freshwater	Assessment factor 1
85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	1.35 mg/L	sewage treatment plant (STP)	Assessment factor 100

8.2 Exposure controls

Personal protection equipment

Eye/face protection
safety goggles

Environmental exposure controls

Technical measures to prevent exposure
Avoid penetration into the subsoil/soil.
Do not discharge into surface waters.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state
liquid

Colour
blue

Odour
Peppermintlike

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:			propan-2-ol: 2.5 - 490 mg/m3 (1 - 196 ppm).

	Value	Method	Source, Remark
Melting point/freezing point	solidifying range ≤ -5 °C		
Boiling point or initial boiling point and boiling range	approx. 100 °C		
flammability	solid		not applicable
flammability	gaseous		not applicable
Lower and upper explosion limit	Upper explosion limit 12 Vol-%		Value of propan-2-ol.
Lower and upper explosion limit	Lower explosion limit 2 Vol-%		Value of propan-2-ol.
Flash point	57.5 °C	DIN EN ISO 13736	Does not maintain the combustion.
Auto-ignition temperature	200 °C		Value of peracetic acid.
Decomposition temperature			not determined
pH	in delivery state 4- 5 (20°C)		
Viscosity	dynamic 1.5 mPa*s (20°C)		
Solubility(ies)	Water solubility		miscible
Partition coefficient n-octanol/water (log value)	0.78		Value of sulfuric acid, mono-C12-14-alkyl esters, sodium salts.
Vapour pressure	approx. 23 hPa (20°C)		
Density and/or relative density	1.029 g/cm³ (20°C)		
Relative vapour density	2.07		Value of propan-2-ol.
particle characteristics			not applicable (liquid).

9.2 Other information

Information with regard to physical hazard classes

Explosives

Assessment/classification
The mixture does not contain any explosive substances.

flammable gases

Assessment/classification
not applicable (liquid).

Aerosols

Assessment/classification
not relevant - no aerosol.
The classification criteria for this hazard class are not met by definition.

Oxidising gas

Assessment/classification
not applicable (liquid).

Gases under pressure

Assessment/classification
not applicable (liquid, no dissolved gas under pressure).

flammable liquids

Assessment/classification
Flash point > 35 °C, does not maintain the combustion.
The mixture is not classified as flammable liquids.

flammable solids

Assessment/classification
not applicable (liquid).

Self-reactive substances and mixtures

Assessment/classification
The mixture does not contain any self-reactive substances.

Pyrophoric liquids

Assessment/classification
The mixture does not contain any pyrophoric substances - not spontaneously flammable (CLP I 2.9.4.1).
CLP I 2.9.4.1: The classification procedure for pyrophoric liquids need not be applied when experience in manufacture or handling shows that the substance or mixture does not ignite spontaneously on coming into contact with air at normal temperatures (i.e. the substance is known to be stable at room temperature for prolonged periods of time (days)).

Pyrophoric solids

Assessment/classification
not applicable (liquid).

self-heating substances and mixtures

Assessment/classification
The mixture does not contain any self-heating substances.

Substances or mixtures which, in contact with water, emit flammable gases

Assessment/classification
not relevant - in contact with water releases no flammable gases (CLP I 2.12.4.1).
CLP I 2.12.4.1: The classification procedure for this class need not be applied if: (a) the chemical structure of the substance or mixture does not contain metals or metalloids; or (b) experience in production or handling shows that the substance or mixture does not react with water, e.g. the substance is manufactured with water or washed with water; or (c) the substance or mixture is known to be soluble in water to form a stable mixture.

Oxidising liquids

Assessment/classification
not applicable (contains organic peroxides).

Oxidising solids

Assessment/classification
not applicable (liquid).

Organic peroxides

Assessment/classification
The mixture contains < 1,0 % available oxygen from the organic peroxides and ≤ 1,0 % hydrogen peroxide.

Corrosive to metals

Safety characteristics

	Value	Method, Result	Source, Remark
Corrosion rate (mm aluminium/year)	< 6.25 mm/a	Expert judgement and weight of evidence determination.	
Corrosion rate (mm steel/year)	< 6.25 mm/a	Expert judgement and weight of evidence determination.	

Assessment/classification
Based on available data, the classification criteria are not met.

Desensitised explosives

Assessment/classification
The mixture does not contain any desensitised explosive substances.

Other safety characteristics

	Value	Method	Source, Remark
Evaporation rate			Water: 0.36 (ASTM D3539). propan-2-ol: 1.5 (ASTM D3539) / 11 (DIN 53170) .
Solvent content	< 5 %		
Explosive properties			none
Oxidising properties			none

Other information
No further relevant informations available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known if used as directed.

10.2 Chemical stability

No decomposition if used as directed within the 12 months storage stability.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Heat and direct solar radiation.

10.5 Incompatible materials

Impurities of all kinds.
Metal ions, metal salts, metals, alkalies, reducing agents.

10.6 Hazardous decomposition products

no

* SECTION 11: Toxicological information

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

Acute toxicity

Animal data

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	> 5000 mg/kg CAS No85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts LD50: 1200 mg/kg Species Rat	ATE: Acute Toxicity Estimate	

	Effective dose	Method,Evaluation	Source, Remark
	CAS No79-21-0 peracetic acid ...% 70 mg/kg	ATE: Acute Toxicity Estimate	
Acute dermal toxicity	> 5000 mg/kg	ATE: Acute Toxicity Estimate	
	CAS No79-21-0 peracetic acid ...% LD50: 56.1 mg/kg Species Rabbit		
Acute inhalation toxicity	Acute inhalation toxicity (vapour) > 50 mg/L	ATE: Acute Toxicity Estimate	
	Acute inhalation toxicity (dust/mist)		not relevant
	CAS No67-63-0 propan-2-ol Acute inhalation toxicity (vapour) LC50: 72.6 mg/L Species Rat Exposure time 4 h		
	CAS No79-21-0 peracetic acid ...% Acute inhalation toxicity (dust/mist) LC50: 0.204 mg/L		

Assessment/classification
Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
non-irritant.	Calculation method.	

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
slightly irritant	Bridging principle "Substantially similar mixtures".	

Sensitisation to the respiratory tract

Assessment/classification
Based on available data, the classification criteria are not met.

Skin sensitisation

Animal data

Result / Evaluation	Dose / Concentration	Method	Source, Remark
The mixture is not classified as skin sensitiser.		Calculation method.	

Germ cell mutagenicity

Assessment/classification
Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment/classification
Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment/classification
Based on available data, the classification criteria are not met.

Overall Assessment on CMR properties

The mixture is not classified as mutagen / not classified as carcinogen / not classified as reproductive toxicant.

* **STOT-single exposure**

STOT SE 1 and 2

Assessment/classification
The mixture is not classified as specific target organ toxicant (single exposure).
Based on available data, the classification criteria are not met.

* **STOT SE 3**

* **Irritation to respiratory tract**

* **Assessment/classification**
Based on available data, the classification criteria are not met.

* **Narcotic effects**

* **Assessment/classification**
Based on available data, the classification criteria are not met.

STOT-repeated exposure

Assessment/classification
The mixture is not classified as specific target organ toxicant (repeated exposure).
Based on available data, the classification criteria are not met.

Aspiration hazard

Assessment/classification
The mixture is not classified as aspiration hazardous.
Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Information on other hazards

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties	CAS No79-21-0 peracetic acid ...%		The substance is identified as having endocrine disrupting properties.

Other information

Test on similar mixture (elma clean 35 (EC 35), Batch 0146030246): OECD 405(rabbit): not irritating to eyes.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: 15.6 mg/L	calculated.	
	CAS No85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts LC50: 3.6 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		

	Effective dose	Method,Evaluation	Source, Remark
	CAS No79-21-0 peracetic acid ...% LC50: 0.078 mg/L Species Lepomis macrochirus (Bluegill) Test duration 96 h		
Chronic (long-term) fish toxicity	CAS No85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts NOEC ≥ 1.357 mg/L Species Pimephales promelas (fathead minnow) Test duration 42 d		
	CAS No79-21-0 peracetic acid ...% NOEC 0.00094 mg/L Species Danio rerio (zebrafish) Test duration 33 d		
	EqNOEC 0.22 mg/L	calculated.	
Acute (short-term) toxicity to crustacea	EC50 39.3 mg/L	calculated.	
	CAS No85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts EC50 4.7 mg/L Species Daphnia magna (Big water flea) Test duration 48 h		
	CAS No79-21-0 peracetic acid ...% EC50 0.27 mg/L Test duration 48 h		
Chronic (long-term) toxicity to aquatic invertebrate	CAS No85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts NOEC 0.14 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
	CAS No79-21-0 peracetic acid ...% NOEC 0.012 mg/L Species Daphnia magna (Big water flea) Test duration 21 d	OECD 211	
	EqNOEC > 1 mg/L	calculated.	
Acute (short-term) toxicity to algae and cyanobacteria	EC50 28.1 mg/L	calculated.	
	CAS No85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts EC50 > 20 mg/L Test duration 72 h		
	CAS No79-21-0 peracetic acid ...% EC50 0.16 mg/L Species Pseudokirchneriella subcapitata Test duration 72 h		

	Effective dose	Method,Evaluation	Source, Remark
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	CAS No85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts NOEC: 0.6 mg/L Species Desmodesmus subspicatus Test duration 72 h	Regulation (EC) No. 440/2008, Annex C.3	
	CAS No79-21-0 peracetic acid ...% NOEC: 0.061 mg/L Species Pseudokirchneriella subcapitata Test duration 72 h		
	EqNOEC > 1 mg/L	calculated. calculated.	
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

Assessment/classification
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

	Value	Method	Source, Remark
Biodegradation	Degradation rate > 90 %	calculated.	DOC reduction Readily biodegradable (according to OECD criteria).
Biodegradation	Degradation rate 90- 100 % Test duration 28 d	OECD 301D/ EEC 92/69/V, C.4-E	CAS No85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Biodegradation	Degradation rate 95 % Test duration 21 d	OECD 301E/ EEC 92/69/V, C.4-B	CAS No67-63-0 propan-2-ol
Biodegradation	Degradation rate 98 % Test duration 28 d	OECD 301E/ EEC 92/69/V, C.4-B	CAS No79-21-0 peracetic acid ...%

12.3 Bioaccumulative potential

Assessment/classification
propan-2-ol: Accumulation in organisms is not expected (log Pow: 0.05).
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts: Accumulation in organisms is not expected (log Pow: 0.78).
peracetic acid: No bioaccumulation.

12.4 Mobility in soil

Assessment/classification
propan-2-ol: Dissolves in water. Highly mobile in soil.
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts: Moderate to strong adsorption on soil (log Koc: 2.5-3.2).
peracetic acid: In soil and waste water rapid decomposition takes place to oxygen and acetic acid.

12.5 Results of PBT and vPvB assessment

The product does not contain any PBT-/vPvB-substances according to the recipe.

12.6 Endocrine disrupting properties

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties	CAS No79-21-0 peracetic acid ...%		The substance is identified as having endocrine disrupting properties.

12.7 Other adverse effects

	Value	Method	Source, Remark
Ozone depletion potential (ODP):			Based on available data, the classification criteria are not met.

Additional ecotoxicological information

	Value	Method	Source, Remark
Chemical oyxgen demand (COD)	approx. 0.15 gO2/g	calculated.	
AOX			The product does not contain any organically bound halogens according to the recipe.

Additional information
The surfactants in our product meet the criteria for biodegradation as laid down in Annex III of the Regulation (EC) No 648/2004 on detergents.
Acute aquatic environmental hazards: Aquatic Acute 3 H402: Harmful to aquatic life.
Chronic aquatic environmental hazards: Aquatic Chronic 3 H412: Harmful to aquatic life with long lasting effects.
No further relevant informations available.

* SECTION 13: Disposal considerations

* 13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
200129 *	detergents containing hazardous substances

Waste code packaging	Waste name
150110 *	packaging containing residues of or contaminated by hazardous substances

* **Appropriate disposal / Product**
Do not dispose with household waste. Do not discharge into the drains.
Dispose of waste according to applicable legislation.

Appropriate disposal / Package
Non-contaminated packages may be recycled.

* **Other disposal recommendations**
Application solution / cleaning solution :
Product is allowed to discharge into sewage treatment plants, but in accordance with official regulations.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

none

14.7 Maritime transport in bulk according to IMO instruments

not relevant

Land transport (ADR/RID)

Remark
Not classified for this transport carrier.

Sea transport (IMDG)

Remark
No hazardous material as defined by the prescriptions.

Air transport (ICAO-TI / IATA-DGR)

Remark
No hazardous material as defined by the prescriptions.

* SECTION 15: Regulatory information

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

*** EU legislation**

Authorisations
not relevant

Restrictions on use
Regulation (EC) No 1907/2006 (REACH), Annex XVII No 3 + 40 - not relevant if used as directed.

*** Other regulations (EU)**

*** To follow:**
Regulation (EC) No. 648/2004 (Detergents regulation)
Directive 2012/18/EU, Annex I: not mentioned.

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC
VOC content, delivery state 3.4 %

15.2 Chemical Safety Assessment

National regulations

For this mixture a chemical safety assessment were not carried out.

* SECTION 16: Other information

*

Abbreviations and acronyms
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ASTM: American Society for Testing and Materials
ATE: Acute Toxicity Estimate
AVV: Waste Shipment Ordinance (DE)
DGR: Dangerous Goods Regulations (IATA)
DIN: German Institute for Standardization / German Industrial Standard
DNEL: derived no-effect level
DOC: Dissolved Organic Carbon
EN: European Standard
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods
IMO: International Maritime Organization
ISO: International Organization for Standardization
OECD: Organisation for Economic Cooperation and Development
PBT: persistent and bioaccumulative and toxic
PNEC: Predicted No Effect Concentration
RID: Dangerous goods regulations for transport by rail
SCL: Specific concentration limit
TI: Technical Instruction
VOC: Volatile organic compounds
vPvB: very persistent, very bioaccumulative
Flam. Liq. 2: Flammable Liquids, Category 2
Flam. Liq. 3: Flammable Liquids, Category 3
Org. Perox. D: Organische Peroxide, Typ D
Met. Corr. 1: Corrosive to metals, Category 1
Acute Tox. 3, H301: Acute Toxicity (oral), Category 3
Acute Tox. 4, H302: Acute Toxicity (oral), Category 4
Acute Tox. 2, H310: Acute toxicity (dermal), Category 2
Acute Tox. 2, H330: Acute Toxicity (inhalation), Category 2
Skin Corr. 1A: Skin corrosion, Sub-category 1A
Skin Irrit. 2: Skin irritation, Category 2
Eye Dam. 1: Serious eye damage, Category 1
Eye Irrit. 2: Eye irritation, Category 2
STOT SE 3, H335: Specific target organ toxicity (single exposure), Category 3
STOT SE 3, H336: Specific target organ toxicity (single exposure), Category 3 (narcotic effects)
Aquatic Acute 1: Short-term (acute) aquatic hazard, Category 1
Aquatic Chronic 1: Long-term (chronic) aquatic hazard, Category 1
Aquatic Chronic 3: Long-term (chronic) aquatic hazard, Category 3

Key literature references and sources for data
Own measurements.
European Chemicals Agency, http://echa.europa.eu/.
Informations from our suppliers.

Additional information
National and local regulations concerning chemicals shall be observed.
These data are given according to our actual knowledge about this product.This data sheet does not correspond to an assurance by virtue of a contract for properties of the product.

Relevant H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Indication of changes
* Data changed compared with the previous version