

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Power Cleaner 400  
Revision date : 06.12.2024  
Print date : 06.12.2024

Version (Revision) : 7.0.1 (7.0.0)

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

### 1.1 Product identifier

Power Cleaner 400  
Unique Formula Identifier : MY90-V0U8-V00P-JQQ7

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

#### Relevant identified uses

PC 35 - Washing and cleaning products

### 1.3 Details of the supplier of the safety data sheet

#### Supplier

Bio-Circle Surface Technology GmbH

**Street :** Berensweg 200

**Postal code/City :** 33334 Gütersloh

**Telephone :** +49 5241 9443 0

**Telefax :** +49 5241 9443 44

**Information contact :** labor@bio-circle.de

### 1.4 Emergency telephone number

+49 5241 9443 51 during normal office hours  
(Monday to Thursday from 8 am to 4 pm and Friday from 8 am to 3 pm)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Met. Corr. 1 ; H290 - Corrosive to metals : Category 1 ; May be corrosive to metals.  
Skin Corr. 1B ; H314 - Skin corrosion/irritation : Category 1B ; Causes severe skin burns and eye damage.  
Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

### 2.2 Label elements

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

##### Hazard pictograms



Corrosion (GHS05)

##### Signal word

Danger

##### Hazard components for labelling

METHANESULPHONIC ACID ; CAS No. : 75-75-2  
ALCOHOLS, C8-10, ETHOXYLATED PROPOXYLATED ; CAS No. : 68603-25-8

##### Hazard statements

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

##### Precautionary statements

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

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P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P310 Immediately call a POISON CENTER/doctor/...

## 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

METHANESULPHONIC ACID ; REACH No. : 01-2119491166-34-XXXX ; EC No. : 200-898-6; CAS No. : 75-75-2

Weight fraction :  $\geq 10 - < 20$  %

Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 STOT SE 3 ; H335

ALCOHOLS, C8-10, ETHOXYLATED PROPOXYLATED ; REACH No. : Polymer ; CAS No. : 68603-25-8

Weight fraction :  $\geq 3 - < 5$  %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

(2-METHOXYMETHYLETHOXY)PROPANOL ; REACH No. : 01-2119450011-60-XXXX ; EC No. : 252-104-2; CAS No. : 34590-94-8

Weight fraction :  $\geq 1 - < 5$  %

Classification 1272/2008 [CLP] : Substance with a common (EC) occupational exposure limit value.

#### Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

#### Following inhalation

In case of respiratory tract irritation, consult a physician.

#### In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

#### After eye contact

Protect uninjured eye. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### Following ingestion

Rinse mouth thoroughly with water. Let 1 glass of water be drunken in little sips (dilution effect). Do NOT induce vomiting. Call a physician immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage.

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water Foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>) Sand Nitrogen Extinguishing blanket

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## Unsuitable extinguishing media

Full water jet

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

In case of fire may be liberated: Carbon monoxide , Carbon dioxide (CO<sub>2</sub>) , Sulphur oxides

### 5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### 5.4 Additional information

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings. Fire fighting water forms corrosive acid solutions. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Move undamaged containers from immediate hazard area if it can be done safely.

## SECTION 6: Accidental release measures

P390 - Absorb spillage to prevent material damage.

### 6.1 Personal precautions, protective equipment and emergency procedures

Special danger of slipping by leaking/spilling product. Use personal protection equipment.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 6.3 Methods and material for containment and cleaning up

Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece). Wash with plenty of water. Treat the recovered material as prescribed in the section on waste disposal.

### 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

P260 - Do not breathe dust/fume/gas/mist/vapours/spray. Keep container tightly closed.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep/Store only in original container. Protect against : Frost .

#### Requirements for storage rooms and vessels

P234 - Keep only in original packaging. P406 - Store in a corrosion resistant/... container with a resistant inner liner.

P405 - Store locked up.

#### Hints on joint storage

Storage class (TRGS 510) : 8B

### 7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

METHANESULPHONIC ACID ; CAS No. : 75-75-2

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 0,7 mg/m<sup>3</sup>

Peak limitation : 1(l)

Remark : Y

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Version : 23.06.2022  
(2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8  
Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 50 ppm / 310 mg/m<sup>3</sup>  
Peak limitation : 1(l)  
Version : 23.06.2022  
Limit value type (country of origin) : TWA ( EC )  
Limit value : 50 ppm / 308 mg/m<sup>3</sup>  
Remark : Skin  
Version : 20.06.2019

## DNEL-/PNEC-values

### DNEL/DMEL

METHANESULPHONIC ACID ; CAS No. : 75-75-2  
Limit value type : DNEL Consumer (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,42 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 1,44 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 8,33 mg/kg bw/day  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Oral  
Exposure frequency : Long-term  
Limit value : 8,33 mg/kg bw/day  
Limit value type : DNEL worker (local)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 0,7 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 6,76 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 19,44 mg/kg  
(2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 37,2 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 121 mg/kg bw/day  
Limit value type : DNEL Consumer (systemic)  
Exposure route : Oral  
Exposure frequency : Long-term  
Limit value : 36 mg/kg bw/day  
Limit value type : DNEL worker (systemic)

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Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 308 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic)  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 283 mg/kg bw/day

## PNEC

METHANESULPHONIC ACID ; CAS No. : 75-75-2

Limit value type : PNEC (Aquatic, freshwater)  
Limit value : 0,012 mg/l  
Limit value type : PNEC (Aquatic, intermittent release)  
Limit value : 0,12 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Limit value : 0,0012 mg/l  
Limit value type : PNEC (Sediment, freshwater)  
Limit value : 0,0444 mg/kg dw  
Limit value type : PNEC (Sediment, marine water)  
Limit value : 0,00444 mg/kg dw  
Limit value type : PNEC (Soil)  
Limit value : 0,00183 mg/kg dw  
Limit value type : PNEC (Sewage treatment plant)  
Limit value : 100 mg/l

(2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8

Limit value type : PNEC (Aquatic, freshwater)  
Limit value : 19 mg/l  
Limit value type : PNEC (Aquatic, intermittent release)  
Limit value : 190 mg/l  
Limit value type : PNEC (Aquatic, marine water)  
Limit value : 1,9 mg/l  
Limit value type : PNEC (Sediment, freshwater)  
Limit value : 70,2 mg/kg dw  
Limit value type : PNEC (Sediment, marine water)  
Limit value : 7,02 mg/kg dw  
Limit value type : PNEC (Soil)  
Limit value : 2,74 mg/kg dw  
Limit value type : PNEC (Sewage treatment plant)  
Limit value : 4,168 g/l

## 8.2 Exposure controls

### Personal protection equipment

#### Eye/face protection



Wear suitable safety goggles in case of splash.

#### Suitable eye protection

EN 166.

#### Skin protection

##### Hand protection



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**Suitable gloves type** : EN 374.  
**Suitable material** : NBR (Nitrile rubber)  
**Breakthrough time** : 480 min.  
**Thickness of the glove material** : 0.4 mm

**Remark** : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

## Respiratory protection



Respiratory protection necessary at: exceeding exposure limit values

### Suitable respiratory protection apparatus

Combination filtering device  
Filter type: A B - P2

## General information

Do not put any product-impregnated cleaning rags into your trouser pockets. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. P362+P364 - Take off contaminated clothing and wash it before reuse. P264 - Wash hands thoroughly after handling.

## 8.3 Additional information

No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Liquid  
**Colour** : colourless

#### Odour

characteristic

#### Safety characteristics

<b>Freezing point</b> :	( 1013 hPa )	<	0	°C	
<b>Initial boiling point and boiling range</b> :	( 1013 hPa )	approx.	98	°C	
<b>Flash point</b> :			not relevant		DIN EN ISO 13736
<b>Auto-ignition temperature</b> :			none		
<b>Flammability</b> :			non-flammable		
<b>Lower explosion limit</b> :			not relevant		
<b>Upper explosion limit</b> :			not relevant		
<b>Vapour pressure</b> :	( 20 °C )	<	24	hPa	Calculated
<b>Density</b> :	( 20 °C )	approx.	1,05	g/cm <sup>3</sup>	
<b>Water solubility</b> :	( 20 °C )		completely miscible		
<b>pH</b> :	( 20 °C )	<	1		
<b>Relative vapour density</b> :	( 20 °C )		not determined		
<b>Maximum VOC content (EC)</b> :			2,6	Weight-%	
<b>Maximum VOC content (Switzerland)</b> :			2,6	Weight-%	
<b>Taxable VOC content (Switzerland)</b> :			2,6	Weight-%	
<b>Corrosive to metals</b> :			May be corrosive to metals.		

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## 9.2 Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.  
Decomposition products in case of fire: see section 5.

## SECTION 11: Toxicological information

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

#### Acute toxicity

##### Acute oral toxicity

Parameter :	LD50 ( (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8 )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Method :	OECD 401
Parameter :	LD50 ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )
Exposure route :	Oral
Species :	Rat
Effective dose :	1158 mg/kg
Method :	OECD 401
Parameter :	LD50 ( FATTY ALCOHOL ALCOXYLATE, POLYMER )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg

##### Acute dermal toxicity

Parameter :	LD50 ( (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8 )
Exposure route :	Dermal
Species :	Rat
Effective dose :	> 19020 mg/kg
Method :	OECD 402
Parameter :	LD50 ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	>= 1000 mg/kg
Method :	OECD 402

##### Acute inhalation toxicity

Parameter :	LC0 ( (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8 )
Exposure route :	Inhalation

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Species : Rat  
Effective dose : > 275 ppm  
Exposure time : 7 h  
Method : OECD 403

## Corrosion

### Skin corrosion/irritation

Parameter : Skin corrosion/irritation ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )  
Result : Causes severe skin burns and eye damage  
Method : OECD 435

### Assessment/classification

Causes severe burns.

### Serious eye damage/eye irritation

Parameter : Serious eye damage/eye irritation ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )  
Species : Rabbit  
Result : Causes serious eye damage  
Method : OECD 405  
Parameter : Serious eye damage/eye irritation ( ALCOHOLS, C8-10, ETHOXYLATED PROPOXYLATED ; CAS No. : 68603-25-8 )  
Result : Causes serious eye damage

### Assessment/classification

Causes serious eye damage.

## Respiratory or skin sensitisation

### Skin sensitisation

No further relevant information available.

### Sensitisation to the respiratory tract

No further relevant information available.

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

### Carcinogenicity

No further relevant information available.

### Germ cell mutagenicity

No further relevant information available.

### Reproductive toxicity

No further relevant information available.

## STOT-single exposure

### STOT SE 3

Parameter : STOT SE 3 ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )

### Irritation to respiratory tract

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

## STOT-repeated exposure

No further relevant information available.

## Aspiration hazard

No further relevant information available.

## 11.2 Information on other hazards

### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

### Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

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## Other adverse effects

Has degreasing effect on the skin. May be absorbed through the skin.

## Additional information

Preparation not tested. The statement is derived from the properties of the single components.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter :	LC50 ( (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8 )
Species :	Poecilia reticulata (Guppy)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 1000 mg/l
Exposure time :	96 h
Evaluation :	Harmless to fish up to the concentration tested.
Method :	OECD 203
Parameter :	LC50 ( FATTY ALCOHOL ALCOXYLATE, POLYMER )
Species :	Leuciscus idus (golden orfe)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	< 1 mg/l
Exposure time :	96 h
Parameter :	LC50 ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	73 mg/l
Exposure time :	96 h
Method :	OECD 203

##### Chronic (long-term) fish toxicity

Parameter :	NOEC ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	56 mg/l
Exposure time :	96 h
Method :	OECD 203

##### Acute (short-term) toxicity to crustacea

Parameter :	EC50 ( (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8 )
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	1919 mg/l
Exposure time :	48 h
Evaluation :	Harmless to daphnia up to the tested concentration.
Method :	OECD 202
Parameter :	EC50 ( FATTY ALCOHOL ALCOXYLATE, POLYMER )
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) toxicity to crustacea
Effective dose :	< 1 mg/l
Exposure time :	48 h
Parameter :	EC50 ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	70 mg/l
Exposure time :	48 h
Method :	OECD 202

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## Acute (short-term) toxicity to algae and cyanobacteria

Parameter : EC50 ( (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Inhibition of growth rate  
Effective dose : > 969 mg/l  
Exposure time : 72 h  
Evaluation : Harmless to algae up to the concentration tested.  
Method : OECD 201

Parameter : EC50 ( FATTY ALCOHOL ALCOXYLATE, POLYMER )  
Species : Scenedesmus subspicatus  
Evaluation parameter : Inhibition of growth rate  
Effective dose : < 1 mg/l  
Exposure time : 72 h  
Method : OECD 201

Parameter : EC50 ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 7,2 - 20 mg/l  
Exposure time : 72 h  
Method : OECD 201

## Chronic (long-term) toxicity to aquatic algae and cyanobacteria

Parameter : NOEC ( (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Inhibition of growth rate  
Effective dose : 969 mg/l  
Exposure time : 72 h  
Evaluation : Harmless to algae up to the concentration tested.  
Method : OECD 201

Parameter : NOEC ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 5,8 mg/l  
Exposure time : 96 h  
Method : OECD 201

## Toxicity to microorganisms

Parameter : EC10 ( (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8 )  
Species : Pseudomonas putida  
Evaluation parameter : Bacteria toxicity  
Effective dose : 4168 mg/l  
Exposure time : 18 h

Parameter : Bacteria toxicity ( FATTY ALCOHOL ALCOXYLATE, POLYMER )  
Species : Toxicity to microorganisms  
Effective dose : > 1000 mg/l

Parameter : EC50 ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )  
Species : Bacteria toxicity  
Effective dose : > 1000 mg/l  
Exposure time : 30 min

## 12.2 Persistence and degradability

### Biodegradation

Parameter : DOC reduction ( (2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8 )  
Inoculum : Biodegradation  
Evaluation parameter : Aerobic  
Degradation rate : 96 %  
Test duration : 28 D  
Evaluation : Readily biodegradable (according to OECD criteria).

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Method : OECD 301F  
Parameter : CO<sub>2</sub> formation (% of the theoretical value) ( FATTY ALCOHOL ALCOXYLATE, POLYMER )  
Inoculum : Biodegradation  
Degradation rate : > 60 %  
Test duration : 28 D  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 301B  
Parameter : DOC reduction ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )  
Inoculum : Biodegradation  
Evaluation parameter : Aerobic  
Degradation rate : 90 - 100 %  
Test duration : 28 D  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 301A

## 12.3 Bioaccumulative potential

Parameter : Log KOW ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )  
Value : -2,38  
No indication of bioaccumulation potential.

## 12.4 Mobility in soil

### Adsorption

Parameter : Henry's Law Constant ( METHANESULPHONIC ACID ; CAS No. : 75-75-2 )  
Effective dose : 0,001 Pa.m<sup>3</sup>/mol  
Exposure time : 25 °C

## 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## 12.7 Other adverse effects

No information available.

## 12.8 Additional ecotoxicological information

After neutralisation, reduction in toxic effects is observed.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Directive 2008/98/EC (Waste Framework Directive)

##### Before intended use

##### Waste codes/waste designations according to EWC/AVV

07 06 01\* (Aqueous washing liquids and mother liquors)  
20 01 29\* (Detergents containing hazardous substances)

##### Other disposal recommendations

Dispose of waste according to applicable legislation. Dispose of contents/container to an appropriate recycling or disposal facility. Contaminated packages must be completely emptied and can be re-used following proper cleaning (Water (with cleaning agent)). Handle contaminated packages in the same way as the substance itself.

### 13.2 Additional information

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

## SECTION 14: Transport information

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Power Cleaner 400  
Revision date : 06.12.2024  
Print date : 06.12.2024

Version (Revision) : 7.0.1 (7.0.0)

**14.1 UN number**

UN 3265

**14.2 UN proper shipping name**

**Land transport (ADR/RID)**

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. ( METHANESULPHONIC ACID )

**Sea transport (IMDG)**

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. ( METHANESULPHONIC ACID )

**Air transport (ICAO-TI / IATA-DGR)**

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. ( METHANESULPHONIC ACID )

**14.3 Transport hazard class(es)**

**Land transport (ADR/RID)**

Class(es) : 8  
Classification code : C3  
Hazard identification number (Kemler No.) : 80  
Tunnel restriction code : E  
Special Provisions : LQ 5 I · E 1  
Hazard label(s) :



8

**Sea transport (IMDG)**

Class(es) : 8  
EmS-No. : F-A / S-B  
Special Provisions : LQ 5 I · E 1 · IMDG-Code segregation group 1 - Acids  
Hazard label(s) :



8

**Air transport (ICAO-TI / IATA-DGR)**

Class(es) : 8  
Special Provisions : E 1  
Hazard label(s) :



8

**14.4 Packing group**

III

**14.5 Environmental hazards**

Land transport (ADR/RID) : No

Sea transport (IMDG) : No

Air transport (ICAO-TI / IATA-DGR) : No

**14.6 Special precautions for user**

None

**14.7 Maritime transport in bulk according to IMO instruments**

No transport as bulk according to IBC Code.

**SECTION 15: Regulatory information**

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

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## mixture

### EU legislation

#### Authorisations and/or restrictions on use

##### Restrictions on use

Use restriction according to REACH annex XVII, no. : 3, 75

##### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

#### Other regulations (EU)

##### Labelling for contents according to regulation (EC) No. 648/2004

< 5 % non-ionic surfactants

< 5 % anionic surfactants

#### National regulations

##### Water hazard class

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

## 15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

08. DNEL/DMEL · 08. PNEC

### 16.2 Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (Europäisches Übereinkommen über die Beförderung gefährlicher Güter auf der Straße)

AOX: adsorbierbare organisch gebundene Halogene

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

CAS: Chemical Abstracts Service (Unterabteilung der American Chemical Society)

CLP: Verordnung (EG) Nr. 1272/2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (Classification Labelling and Packaging)

EAK / AVV: europäischer Abfallartenkatalog / Abfallverzeichnis-Verordnung

ECHA: Europäische Chemikalienagentur (European Chemicals Agency)

EINECS: : Altstoffverzeichnis (European Inventory of Existing Commercial Chemical Substances)

GHS: Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien (Globally Harmonized System of Classification and Labelling of Chemicals)

IATA: Internationale Luftverkehrs-Vereinigung (International Air Transport Association)

ICAO: Internationale Zivilluftfahrtorganisation (International Civil Aviation Organization)

IMDG: Gefahrgutkennzeichnung für gefährliche Güter im Seeschiffverkehr (International Maritime Code for Dangerous Goods)

RID: Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr (Règlement concernant le transport international ferroviaire de marchandises dangereuses)

TRGS: Technische Regel für den Umgang mit Gefahrstoffen

VbF: Verordnung über brennbare Flüssigkeiten

VOC: flüchtige organische Verbindung (volatile organic compound)

VVEA: Verordnung über die Vermeidung und die Entsorgung von Abfällen

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

### 16.3 Key literature references and sources for data

DGUV: GESTIS-Stoffdatenbank

ECHA: Classification And Labelling Inventory

ECHA: Pre-registered Substances

ECHA: Registered Substances

EC Safety Data Sheet of Suppliers

ESIS: European Chemical Substances Information System

GDL: Gefahrstoffdatenbank der Länder

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UBA Rigoletto: Wassergefährdende Stoffe  
Regulation (EC) No. 1907/2006 of the European Parliament and of the Council  
|-> COMMISSION REGULATION (EU) 2020/878 of 18 June 2020  
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council

## 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Evaluation :

Met. Corr. 1 : UN Test, Part III of sub-section 37.4

Skin Corr. 1B : Calculation method.

Eye Dam. 1 : Calculation method.

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

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

## 16.6 Training advice

None

## 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.