

## Zettex Foam Cleaner

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date:  
19/09/2023 Revision date: 06/09/2023 Supersedes version of: 10/02/2023 Version: 2.3  
Issued Date: 19/03/2024

**1. IDENTIFICATION**

**Product name :** Zettex Foam Cleaner  
**Type of product :** Detergent  
**Vaporizer :** Aerosol  
**Relevant identified uses:** Professional use  
**Use of the mixture:** Cleaners - Heavy duty  
**Uses advised against**  
No additional information available

**Manufacturer:**

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Patrijsweg 1  
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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Category	mixture
Appearance	liquid

**INGREDIENTS**

Name	CAS No. / EC No.	%	Classification according to DSD/DPD	Classification according to CLP	Note	Remark
acetone	67-64-1 200-662-2	20-30	R67 F;R11 Xi;R36 R66	Flam. Liq 2; H225 Eye Irrit.2 ; H319 STOT SE 3; H336	1 2 10	constituent
butane	106-97-8 203-448-7	30-40	F+; R12	Flam. Gas 1; H220 Press. Gas - Liquified gas; H280	1 2 10	propellant
propane	74-95-6 200-827-9	1-15	F+; R12	Flam. Gas 1; H220 Press. Gas - Liquified gas; H280	1 2 10	propellant

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## 3. HAZARDOUS IDENTIFICATION

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

Aerosol, Category 1 H222;H229

Serious eye damage/eye irritation, Category 2 H319

Specific target organ

H336

toxicity - Single

exposure, Category 3,

Full text of H- and EUH-statements: see section 16

Effects and symptoms of over-exposure: May cause skin contact allergic reactions

Pictogram(s):



Signal Word: **Danger**

Contains: **acetone; propan-2-one; propanone**

**Hazard statements (CLP)**

H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness

**Precautionary statements (CLP)**

P102 - Keep out of reach of children

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.No smoking.

P211 - Do not spray on an open flame or other ignition source

P251 - Do not pierce or burn, even after use.

P261 - Avoid breathing vapours/spray.

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

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 ° C.

P501 - Dispose of contents/container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

**EUH-statements**

EUH066 - Repeated exposure may cause skin dryness or cracking.

## 4. FIRST AID MEASURES

**First-aid measures general**

Call a poison center or a doctor if you feel unwell. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**First-aid measures after inhalation**

Remove person to fresh air and keep comfortable for breathing. If signs/symptoms develop, get medical attention

**First-aid measures after skin contact**

Wash skin with plenty of water. Seek medical attention if irritation develops.

**First-aid measures after eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Seek medical attention if irritation develops.

**First-aid measures after ingestion**

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Call a poison center or a doctor if you feel unwell.

## **Most important symptoms and effects, both acute and delayed:**

Symptoms/effects : May cause drowsiness or dizziness

Symptoms/effects after eye contact : Eye irritation.

Indication of any immediate medical attention and special treatment needed notes to physician: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

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## **5. FIREFIGHTING MEASURES**

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### **5.1. Extinguishing media**

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurised container: May burst if heated. Hazardous decomposition products in case of fire : During fire, gases hazardous to health may be formed.

### **5.3. Advice for firefighters**

Fire fighting instructions : Move containers from fire area if it can be done without personal risk.

Use standard firefighting procedures and consider the hazards of other involved materials.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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## **6. ACCIDENTAL RELEASE MEASURES**

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

#### **6.1.1. For non-emergency personnel**

Protective equipment : Wear appropriate protective equipment and clothing during clean-up.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### **6.1.2. For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Ventilate area.

### **6.2 Environmental precautions**

Avoid release to the environment. Avoid the spillage or runoff entering drains, sewers or water courses

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

Methods for cleaning up : Mechanically recover the product. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Following product recovery, flush area with water. Take up small spills with dry chemical absorbent. Clean surface thoroughly to remove residual contamination.

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.Other information : Dispose of materials or solid residues at an authorized site.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.

Use only outdoors or in a well-ventilated area.

Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid prolonged exposure. Handle in accordance with good industrial hygiene and safety procedures

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### Storage Tips:

Protect from sunlight. Do not expose to temperatures exceeding 50 ° C/ 122 ° F. Store locked up.

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

Keep cool. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

8.1.1 National occupational exposure and biological limit values

**acetone; propan-2-one; propanone (67-64-1)**

EU - Indicative Occupational Exposure Limit (IOEL)

Local name: Acetone

IOEL TWA 1210 mg/m<sup>3</sup>

IOEL TWA [ppm] 500 ppm

Regulatory reference COMMISSION DIRECTIVE 2000/39/EC

Belgium - Occupational Exposure Limits

Local name Acétone # Aceton

OEL TWA 594 mg/m<sup>3</sup>

OEL TWA [ppm] 246 ppm

OEL STEL 1187 mg/m<sup>3</sup>

OEL STEL [ppm] 492 ppm

Regulatory reference Koninklijk besluit/Arrêté royal 11/05/2021

**propane (74-98-6)**

Local name Hydrocarbures aliphatiques sous forme gazeuse: (Alcanes C1-C3) #

Alifatische koolwaterstoffen in gas-vorm: Alkanen (C1-C3) OEL TWA [ppm] 1000 ppm Regulatory reference Koninklijk besluit/Arrêté royal 11/05/2021

**butane (106-97-8)**

Local name Butane, tous isomères: n-butane # Butaan, alle isomeren: n-butaan

OEL STEL 2370 mg/m<sup>3</sup>

OEL STEL [ppm] 980 ppm

Regulatory reference Koninklijk besluit/Arrêté royal 11/05/2021

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

acetone; propan-2-one; propanone (67-64-1)

**DNEL/DMEL (Workers)**

Acute - local effects, inhalation 2420 mg/m<sup>3</sup>

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Long-term - systemic effects, dermal 186 mg/kg  
bodyweight/day Long-term - systemic effects, inhalation 1210 mg/m<sup>3</sup>

#### **DNEL/DMEL (General population)**

Long-term - systemic effects, oral 62 mg/kg bodyweight/day  
Long-term - systemic effects, inhalation 200 mg/m<sup>3</sup>  
Long-term - systemic effects, dermal 62 mg/kg bodyweight/day

#### **PNEC (Water)**

PNEC aqua (freshwater) 10,6 mg/l  
PNEC aqua (marine water) 1,06 mg/l  
PNEC aqua (intermittent, freshwater) 21 mg/l

#### **PNEC (Sediment)**

PNEC sediment (freshwater) 30,4 mg/kg dwt  
PNEC sediment (marine water) 3,04 mg/kg dwt

#### **PNEC (Soil)**

PNEC soil 29,5 mg/kg dwt

#### **PNEC (STP)**

PNEC sewage treatment plant 100 mg/l

#### **8.1.5. Control banding**

No additional information available

#### **8.2. Exposure controls**

##### **8.2.1. Appropriate engineering controls**

Appropriate engineering controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

##### **8.2.2. Personal protection equipment**

Personal protective equipment symbol(s):



##### **8.2.2.1. Eye and face protection**

Eye protection: Use eye protection according to EN 166. Safety glasses with side shields.

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Wear suitable gloves tested to EN374. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Butyl-rubber protective gloves.

##### **8.2.2.3. Respiratory protection**

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Approved organic vapour respirator. Filter type: AX

##### **8.2.2.4. Thermal hazards**

Thermal hazard protection: Not expected to present a significant hazard under anticipated conditions of normal use. Wear appropriate thermal protective clothing, when necessary.

##### **8.2.3. Environmental exposure controls**

Environmental exposure controls: Avoid release to the environment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Physical state	Liquid
Color	colorless
Odor	Characteristic
pH	Not applicable
Melting point/range	No data available
Freezing point	No data available
Boiling point(760 mmHg)	82°C
Evaporation Rate (Butyl Acetate = 1)	Not applicable
Flammability (solid, gas)	Extremely flammable aerosols
Lower explosion limit	1.7 vol%
Upper explosion limit	13g/m <sup>3</sup>
Vapor Pressure	350 kPa at 20°C
Relative Vapor Density (air = 1)	Not applicable
Relative Density (water = 1)	0.73 ± 0.02g/ml
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Dynamic Viscosity	No data available
Kinematic Viscosity	No data available
Explosive properties	Not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Molecular weight	No data available
Particle size	No data available

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

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## 10.5. Incompatible materials

Strong oxidizing agents.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon oxides (CO, CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

#### **acetone; propan-2-one; propanone (67-64-1)**

LD50 oral rat 5800 mg/kg bodyweight

LD50 dermal > 15688 mg/kg bodyweight

LC50 Inhalation - Rat 76 mg/l/4h

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

pH: Not applicable

Serious eye damage/irritation : Causes serious eye irritation

pH: Not applicable

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause drowsiness or dizziness.

#### **acetone; propan-2-one; propanone (67-64-1)**

STOT-single exposure May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

PU Foam Cleaner Vaporizer Aerosol

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - general** : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term(acute): Not classified Hazardous to the aquatic environment, long-term(chronic): Not classified

Not rapidly degradable

#### **acetone; propan-2-one; propanone (67-64-1)**

LC50 - Fish [1] 5540 mg/l

EC50 - Other aquatic organisms [1] 12600 mg/l Daphnia magna (Water flea)

LOEC (chronic) > 79 mg/l

NOEC (chronic) ≥ 79 mg/l

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

PU Foam Cleaner

Partition coefficient n-octanol/water (Log Pow) 0,05

acetone; propan-2-one; propanone (67-64-1)

Partition coefficient n-octanol/water (Log Pow) -0,24

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## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

PU Foam Cleaner

Results of PBT assessment Contains no PBT/vPvB substances  $\geq$  0.1% assessed in accordance with REACH Annex XIII

## 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

## 12.7. Other adverse effects

Additional information : No other effects known

Global warming potential (GWP) : 2 (Fluorinated greenhouse gases - (EC) No 517/201

## 13. DISPOSAL CONSIDERATIONS

### Postconsumer product disposal methods:

Disposal must be in compliance with local laws and regulations

### Used package disposal methods:

Disposal must be in compliance with local laws and regulations

## 14. TRANSPORT INFORMATION

Classification for ROAD and Rail transport:

UN 1950 Aerosols, flammable

Classification for SEA transport (IMO-IMDG):

UN 1950 Aerosols, flammable

Classification for AIR transport (IATA/ICAO):

UN 1950 Aerosols, flammable

## 15. REGULATORY INFORMATION

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

#### 15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)



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Ozone Regulation (1005/2009)  
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)  
VOC Directive (2004/42) VOC content : 730 g/l  
Detergent Regulation (648/2004)  
Explosives Precursors Regulation (2019/1148)  
Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)  
ANNEX II REPORTABLE EXPLOSIVES PRECURSORS  
List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

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## 16. OTHER INFORMATION

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### Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company. Contact us if you have questions

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