

**DPF CLEANER**

|               |                |              |     |
|---------------|----------------|--------------|-----|
| Creation date | 12. March 2019 | Revision no. |     |
| Revision date |                | Version      | 1.1 |

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Substance / mixture  
Number

DPF CLEANER  
mixture  
1 35616 - 1L kanystř

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

Mixture's intended use

Cleaner for Diesel Particulate Filters.

**The use descriptors**

|         |  |
|---------|--|
| SU 3    | Industrial uses: Uses of substances as such or in preparations* at industrial sites              |
| SU 22   | Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |
| PROC 7  | Industrial spraying  |
| PROC 11 | Non industrial spraying  |

Mixture uses advised against

For professional use only.

**1.3. Details of the supplier of the safety data sheet****Supplier**

Name or trade name  
Address

RETECH, s.r.o.  
Vackova 1541/4, Praha 5 - Stodůlky, 155 00  
Czech Republic

Identification number (CRN)  
Phone  
E-mail  
Web address

25018205  
+420327596428  
info@retech.cz  
www.retech.com

**Competent person responsible for the safety data sheet**

Name  
E-mail

RETECH, s.r.o.  
info@retech.cz

**1.4. Emergency telephone number**

RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic; Telephone number: +420 327 596 128 (7.30-16.00 hour)  
Poisoning information centre, Na Bojišti 1, Praha, Czech Republic, Tel.: non-stop +420 224 919 293 or +420 224 915 402, Information on health risks only - acute poisoning of humans and animals.

**SECTION 2: Hazards identification****2.1. Substance or mixture classification****Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Skin Irrit. 2, H315  
Eye Dam. 1, H318

Full text of all classifications and hazard statements is given in the section 16.

**Most serious adverse effects on human health and the environment**

Causes skin irritation. Causes serious eye damage.

**2.2. Label elements****Hazard pictogram****Signal word**

Danger

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**Hazardous substances**

2-aminoethanol

**Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

**Precautionary statements**

P102 Keep out of reach of children.

P280 Wear protective gloves/eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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

P501 Dispose of contents/container to in accordance with national regulations.

**Supplemental information**

<5 % phosphates, <5 % non-ionic surfactants

**2.3. Other hazards**

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Chemical characterization**

Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

| Identification numbers   | Substance name                  | Content in % weight | Classification according to Regulation (EC) No 1272/2008   | Note. |
|--|---------------------------------|---------------------|--|-------|
| CAS: 34590-94-8<br>EC: 252-104-2<br>Registration number:<br>01-2119450011-60 | (2-methoxymethylethoxy)propanol | 10-25               |  | 1     |
| CAS: 141-43-5<br>EC: 205-483-3<br>Registration number:<br>01-2119486455-28   | 2-aminoethanol                  | 3-5                 | Acute Tox. 4, H302, H312, H332<br>Skin Corr. 1B, H314<br>Specific concentration limit:<br>STOT SE 3, H335: C ≥ 5 % | 1     |
| CAS: 7320-34-5<br>EC: 230-785-7  | tetrapotassium-pyrophosphate    | 1-2,5               | Eye Irrit. 2, H319   |       |

**Notes**

1 Substance for which exposure limits of Community for working environment exist.

Full text of all classifications and hazard statements is given in the section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

**Inhalation**

Transfer the affected person to the fresh air and ensure calm environment for body and mind. In the event of issues, find medical advice.

**Skin contact**

Generally the product does not irritate the skin.

**Eye contact**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. In the event of issues, find medical advice.

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**Ingestion**

DO NOT INDUCE VOMITING! Provide medical treatment.

**4.2. Most important symptoms and effects, both acute and delayed****Inhalation**

not available

**Skin contact**

not available

**Eye contact**

not available

**Ingestion**

not available

**4.3. Indication of any immediate medical attention and special treatment needed**

not available

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water mist.

**Unsuitable extinguishing media**

not available

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

not available

**5.3. Advice for firefighters**

Use a self-contained breathing apparatus and full-body protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

It is not needed. Use personal protective equipment for work.

**6.2. Environmental precautions**

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace. Do not spray on an open flame or other ignition source.

**7.2. Conditions for safe storage, including any incompatibilities**

Observe official regulations on storing packagings with pressurized containers.

**7.3. Specific end use(s)**

not available

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

The mixture contains substances for which occupational exposure limits are set.

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**European Union**

| Substance name (component)                         | Type | Time of exposure | Value                 | Note | Source    |
|--|------|------------------|-----------------------|------|-----------|
| (2-methoxymethylethoxy) propanol (CAS: 34590-94-8) | OEL  | 8 hours          | 308 mg/m <sup>3</sup> |      | EU limits |
|  | OEL  | 8 hours          | 50 ppm                |      |           |
| 2-aminoethanol (CAS: 141-43-5)                     | OEL  | 8 hours          | 2,5 mg/m <sup>3</sup> |      | EU limits |
|  | OEL  | 8 hours          | 1 ppm                 |      |           |
|  | OEL  | Short-term       | 7,6 mg/m <sup>3</sup> |      |           |
|  | OEL  | Short-term       | 3 ppm                 |      |           |

**United Kingdom of Great Britain and Northern Ireland**

| Substance name (component)                         | Type | Time of exposure | Value                 | Note  | Source |
|--|------|------------------|-----------------------|---|--------|
| (2-methoxymethylethoxy) propanol (CAS: 34590-94-8) | WEL  | 8 hours          | 308 mg/m <sup>3</sup> | Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | GBR    |
|  | WEL  | 8 hours          | 50 ppm                | Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |        |
| 2-aminoethanol (CAS: 141-43-5)                     | WEL  | 8 hours          | 2,5 mg/m <sup>3</sup> | Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | GBR    |
|  | WEL  | 15 minutes       | 7,6 mg/m <sup>3</sup> | Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |        |
|  | WEL  | 8 hours          | 1 ppm                 | Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |        |
|  | WEL  | 15 minutes       | 3 ppm                 | Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |        |

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**8.2. Exposure controls**

Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

**Eye/face protection**

Wear approved chemical safety goggles where eye exposure is reasonably probable.

**Skin protection**

Hand protection: Solvent resistant gloves. The final selection of the glove material must be carried out on the basis of penetration times, permeation rates and degradation. Material of gloves: Nitrile rubber, NBR. Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other protection: protective workwear.

**Respiratory protection**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter A.

**Thermal hazard**

Not available.

**Environmental exposure controls**

Observe usual measures for protection of the environment, see Section 6.2.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|  |   |
|--|---|
| Appearance                                   |   |
| Physical state                               | liquid at 20°C                                  |
| color  | colourless                                      |
| Odour  | characteristic                                  |
| Odour threshold                              | data not available                              |
| pH   | 11.4 (undiluted)                                |
| Melting point/freezing point                 | data not available                              |
| Initial boiling point and boiling range      | 100 °C  |
| Flash point                                  | 75 °C   |
| Evaporation rate                             | data not available                              |
| Flammability (solid, gas)                    | data not available                              |
| Upper/lower flammability or explosive limits |   |
| flammability limits                          | data not available                              |
| explosive limits                             |   |
| bottom                                       | 1.1 %   |
| upper  | 14.0 %  |
| Vapour pressure                              | 23 hPa at 20 °C                                 |
| Vapour density                               | data not available                              |
| Relative density                             | data not available                              |
| Solubility(ies)                              |   |
| solubility in water                          | almost insoluble                                |
| solubility in fats                           | data not available                              |
| Partition coefficient: n-octanol/water       | data not available                              |
| Auto-ignition temperature                    | data not available                              |
| Decomposition temperature                    | data not available                              |
| Viscosity                                    | 15 s (DIN 53211/4) at 20 °C                     |
| Explosive properties                         | The product does not have explosive properties. |
| Oxidising properties                         | data not available                              |
| data not available                           |   |

**9.2. Other information**

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Density                           | 1.011 g/cm <sup>3</sup> at 20 °C |
| ignition temperature              | 270 °C                           |
| content of organic solvents (VOC) | 15.0 %                           |
| solid content (dry matter)        | 1 % volume                       |

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Max. VOC content in the product in its ready to use condition 951.8 g/l  
Product is not selfigniting.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

not available

**10.2. Chemical stability**

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

**10.3. Possibility of hazardous reactions**

Unknown.

**10.4. Conditions to avoid**

not available

**10.5. Incompatible materials**

not available

**10.6. Hazardous decomposition products**

Unknown.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

No toxicological data is available for the mixture.

**Acute toxicity**

Based on available data the classification criteria are not met.

2-aminoethanol

| Route of exposure | Parameter        | Value      | Time of exposure | Species | Sex |
|-------------------|------------------|------------|------------------|---------|-----|
| Oral              | LD <sub>50</sub> | 2050 mg/kg |                  | Rat     |     |
| Dermal            | LD <sub>50</sub> | 1000 mg/kg |                  | Rabbit  |     |

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation**

Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data the classification criteria are not met.

**Carcinogenicity**

Based on available data the classification criteria are not met.

**Reproductive toxicity**

Based on available data the classification criteria are not met.

**Toxicity for specific target organ - single exposure**

Based on available data the classification criteria are not met.

**Toxicity for specific target organ - repeated exposure**

Based on available data the classification criteria are not met.

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**Aspiration hazard**

Based on available data the classification criteria are not met.

**SECTION 12: Ecological information****12.1. Toxicity****Acute toxicity**

Data for the mixture are not available.

tetrapotassium-pyrophosphate

| Parameter        | Value     | Time of exposure | Species                 | Environment |
|------------------|-----------|------------------|-------------------------|-------------|
| LC <sub>50</sub> | >750 mg/l |                  | Fishes (Golden Orfe)    |             |
| LC <sub>50</sub> | >750 mg/l | 48 hour          | Fishes (Leuciscus idus) |             |

**12.2. Persistence and degradability**

Not available.

**12.3. Bioaccumulative potential**

Not available.

**12.4. Mobility in soil**

Not available.

**12.5. Results of PBT and vPvB assessment**

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

**12.6. Other adverse effects**

Additional ecological information:

General notes: Water hazard class 1 (german Regulation, self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste.

**Waste management legislation**

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

**Waste type code**

16 03 05 organic wastes containing dangerous substances

**Packaging waste type code**

15 01 10 packaging containing residues of or contaminated by dangerous substances

**SECTION 14: Transport information****14.1. UN number**

Not subject to ADR.

**14.2. UN proper shipping name**

not available

**14.3. Transport hazard class(es)**

not available

**14.4. Packing group**

not available

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**14.5. Environmental hazards**

not available

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not available

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as ammended.

**15.2. Chemical safety assessment**

not available

**SECTION 16: Other information****A list of standard risk phrases used in the safety data sheet**

|      |  |
|------|--|
| H302 | Harmful if swallowed.                    |
| H312 | Harmful 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.           |
| H332 | Harmful if inhaled.                      |

**Guidelines for safe handling used in the safety data sheet**

|                |  |
|----------------|--|
| P102           | Keep out of reach of children.   |
| P280           | Wear protective gloves/eye 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. |
| P302+P352      | IF ON SKIN: Wash with plenty of water.   |
| P501           | Dispose of contents/container to in accordance with national regulations.  |

**Other important information about human health protection**

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

**Key to abbreviations and acronyms used in the safety data sheet**

|                  |   |
|------------------|---|
| ADR              | European agreement concerning the international carriage of dangerous goods by road               |
| BCF              | Bioconcentration Factor   |
| CAS              | Chemical Abstracts Service  |
| CLP              | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| DNEL             | Derived no-effect level   |
| EC               | Identification code for each substance listed in EINECS   |
| EC <sub>50</sub> | Concentration of a substance when it is affected 50% of the population                            |
| EINECS           | European Inventory of Existing Commercial Chemical Substances                                     |
| EmS              | Emergency plan  |
| EU               | European Union  |



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|                     |   |
|---------------------|---|
| IATA                | International Air Transport Association   |
| IBC                 | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals       |
| IC <sub>50</sub>    | Concentration causing 50% blockade  |
| ICAO                | International Civil Aviation Organization   |
| IMDG                | International Maritime Dangerous Goods  |
| INCI                | International Nomenclature of Cosmetic Ingredients  |
| ISO                 | International Organization for Standardization  |
| IUPAC               | International Union of Pure and Applied Chemistry   |
| LC <sub>50</sub>    | Lethal concentration of a substance in which it can be expected death of 50% of the population    |
| LD <sub>50</sub>    | Lethal dose of a substance in which it can be expected death of 50% of the population             |
| LOAEC               | Lowest observed adverse effect concentration  |
| LOAEL               | Lowest observed adverse effect level  |
| log K <sub>ow</sub> | Octanol-water partition coefficient   |
| MARPOL              | International Convention for the Prevention of Pollution From Ships                               |
| NOAEC               | No observed adverse effect concentration  |
| NOAEL               | No observed adverse effect level  |
| NOEC                | No observed effect concentration  |
| NOEL                | No observed effect level  |
| OEL                 | Occupational Exposure Limits  |
| PBT                 | Persistent, Bioaccumulative and Toxic   |
| PNEC                | Predicted no-effect concentration   |
| ppm                 | Parts per million   |
| REACH               | Registration, Evaluation, Authorisation and Restriction of Chemicals                              |
| RID                 | Agreement on the transport of dangerous goods by rail   |
| UN                  | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB                | Substances of unknown or variable composition, complex reaction products or biological materials  |
| VOC                 | Volatile organic compounds  |
| vPvB                | Very Persistent and very Bioaccumulative  |

|             |                    |
|-------------|--------------------|
| Acute Tox.  | Acute toxicity     |
| Eye Dam.    | Serious eye damage |
| Eye Irrit.  | Eye irritation     |
| Skin Corr.  | Skin corrosion     |
| Skin Irrit. | Skin irritation    |

**Training guidelines**

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

**Recommended restrictions of use**

not available

**Information about data sources used to compile the Safety Data Sheet**

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

**The changes (which information has been added, deleted or modified)**

2, 3, 8, 11, 12, 15, 16

**Statement**

**SAFETY DATA SHEET**

according to Regulation (EC) No 1907/2006 (REACH) as amended

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The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.