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Reviewed on:	<b>DPF CLEANER</b>	Version: 1.0

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

- 1.1. Product identifier:  
Trade name: **DPF CLEANER**  
Product code: **1 35616 (1L - Canister)**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:  
Relevant identified uses of the mixture: Cleaner for Diesel Particulate Filters  
Sector of use category:  
SU22 Professional uses: Public domain (administration, education, Entertainment, services, craftsmen)  
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
Process category:  
PROC7 Industrial spraying  
PROC11 Non industrial spraying
- 1.3. Details of the supplier of the safety data sheet:  
Identification of manufacturer/Supplier: RETECH, s.r.o.  
Vackova 1541/4  
150 00 Praha-5 Stodůlky  
Telephone/Fax: +420 327 596 128, +420 327 596 428  
Information: info@retech.cz
- 1.4. Emergency telephone number: RETECH Suchdol 212, Suchdol u Kutné Hory  
Tel.+420 327 596 128 (7.30-16.00 hour)  
Toxicology information number, Na bojišti 1, 128 08 PRAHA 2  
Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)

**2. Section 2. Hazard identification:**

- 2.1. Classification of the substance or mixture:  
Classification according to Regulation (EC) No 1272/2008 [CLP]:  
Eye Dam. 1 H318 Causes serious eye damage.  
Skin Irrit. 2 H315 Causes skin irritation.

- 2.2. Label elements:  
Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:  
H318 Causes serious eye damage.  
H315 Causes skin irritation.

Precautionary Statements:  
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 in accordance with national regulation.

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Contained dangerous substances (Article 18 of CLP Regulation):  
141-43-5 2-Aminoethanol

Regulation (EC) No 648/2004:  
Phosphates <5%; Non-ionic surfactants <5%

- 2.3. Other hazards:  
Results of PBT and vPvB assessment:  
PBT: Not applicable  
vPvB: Not applicable

**3. Section 3. Composition/information on ingredients:**

- 3.2. Mixtures:  
Description of the mixture: Mixture of active ingredients

Hazardous ingredients:

CAS: 34590-94-8	(2-methoxymethylethoxy)propanol	10-<25 %
EINECS: 252-104-2	Substance for which there are Community workplace exposure limits.	
Reg.nr.: 01-2119450011-60		
CAS: 141-43-5	2-Aminoethanol	3-<5 %
EINECS: 205-483-3	Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	
Reg.nr.: 01-2119486455-28		
CAS: 7320-34-5	Tetrapotassium-pyrophosphate	1.0-<2.5 %
EINECS: 230-785-7	Eye Irrit. 2, H319	

For full text of H-statements and R-phrases: see SECTION 16.

Regulation (EC) No 648/2004 on detergents:  
Phosphates < 5 %  
Non-ionic surfactants < 5 %

**4. Section 4. First aid measures:**

- 4.1. Description of first aid measures:  
After inhalation: Move the exposed person to fresh air at once.  
Keep the person warm and at rest.  
Get medical attention if any discomfort continues.  
After skin contact: Immediately wash with water and soap and rinse thoroughly.  
If skin irritation occurs, get medical advice/attention.  
After eye contact: Rinse eyes for several minutes under running water, holding the eyelid open.  
Remove contact lenses, if present and easy to do.  
Get medical attention if any discomfort continues.  
After swallowing: Call for a doctor immediately.  
Do not induce vomiting.
- 4.2. Most important symptoms and effects, both acute and delayed:  
No further relevant information available.
- 4.3. Indication of any immediate medical attention and special treatment needed:  
No further relevant information available.

**5. Section 5. Fire fighting measures:**

- 5.1. Extinguishing media:  
Suitable extinguishing agents: Water haze, Carbon dioxide (CO<sub>2</sub>), fire-extinguishing powder, alcohol-resistant foam.  
For safety reasons unsuitable extinguishing agents:  
Water with full jet.
- 5.2. Special hazards arising from the substance or mixture:  
No further relevant information available.

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5.3. Advice for firefighters: Wear protective clothing and self-contained breathing apparatus..

**6. Section 6. Accidental release measures:**

- 6.1. Personal precautions, protective equipment and emergency procedures:  
Wear protective equipment see Section 8.
- 6.2. Environmental precautions: Do not allow to enter sewage system, surface, ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- 6.3. Methods and material for containment and cleaning up:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to Section 13.
- 6.4. Reference to other sections: See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7. Section 7. Handling and storage:**

- 7.1. Precautions for safe handling:  
Protective measures: Wear protective equipment see Section 8.  
Measures to prevent fire: Do not spray onto a naked flame or any incandescent material.
- 7.2. Conditions for safe storage including any incompatibilities:  
Technical measures and storage conditions:  
No special requirements.  
Requirements for storage rooms and vessels:  
No special requirements.  
Further information on storage conditions:  
No special requirements.
- 7.3. Specific end use(s): No further relevant information available.

**8. Section 8. Exposure controls/personal protection:**

- 8.1. Control parameters:  
Components with limit values that require monitoring at the workplace:  
WEL (United Kingdom): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	
141-43-5	2-Aminoethanol	2.5	1	7.6	3	Skin
34590-94-8	(2-methoxymethyl-ethoxy)propanol	308	50	-	-	Skin

OEL (EU): Commission Directive 2000/39/EG, 2006/15/EG, 2009/161/EG

CAS	Substance	Long-term		Short-term		Comments
		mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	
141-43-5	2-Aminoethanol	2.5	1	7.6	3	Skin

Additional information: The lists that were valid during the compilation were as basis.

- 8.2. Exposure controls:
- Measures to prevent exposure: Ensure good ventilation/exhaustion at the workplace.
- General protective measures: The usual precautionary measures should be adhered to general rules for handling chemicals.  
Wash hands before breaks and at the end of work.
- Personal protection equipment:
- Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation.  
In case of brief exposure or low pollution use respiratory filter device.  
Filter, type A.

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Eye protection:	In case of intensive or longer exposure use self-contained respiratory protective device. Safety goggles.
Protection of hands:	Protective gloves 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 Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Protection of skin:	Protective suit.

**9. Section 9. Physical and chemical properties:**

9.1. Information on basic physical and chemical properties:

Form:	Liquid
Colour:	Transparent
Odour:	Characteristic
Odour threshold:	Not determined
Value pH at 20 °C:	11.4
Melting point/freezing point:	Not determined
Initial boiling point/boiling range:	100 °C
Flash point:	75 °C
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not determined
Explosive properties:	The product is not explosive.
Explosive limits:	
- lower:	1.1 Vol %
- upper:	14.0 Vol %
Vapour pressure at 20°C:	23 hPa
Vapour density at 20 °C:	Not determined
Density at 20°C:	1.011 g/cm <sup>3</sup>
Relative density:	Not determined
Solubility in/miscibility with:	
- water	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined
Ignition temperature:	270 °C
Decomposition temperature:	Not determined
Self-igniting:	The product is not selfigniting.
Viscosity:	
- Kinematic	15 s (DIN 53211/4)
Oxidising properties:	Not determined

9.2. Other information:

VOC:	951.8 g/l
Solid content:	1.0 %
Organic solvent:	18.0 %
Water:	80.0 %

**10. Section 10. Stability and reactivity:**

10.1. Reactivity:	No further relevant information available.
10.2. Chemical stability:	Stable under normal conditions.
10.3. Possibility of hazardous reactions:	No dangerous reactions known.
10.4. Conditions to avoid:	No further relevant information available.

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- 10.5. Incompatible materials: No further relevant information available.  
 10.6. Hazardous decomposition products:  
 No dangerous decomposition products known.

**11. Section 11. Toxicological information:**

11.1. Information on toxicological effects:

Acute toxicity:

LD/LC50 values relevant for classification:

141-43-5 2-Aminoethanol

Oral	LD50	Rat	2050 mg/kg
Dermal	LD50	Rabbit	1000 mg/kg

- Skin corrosion/irritation: Causes skin irritation.  
 Serious eye damage/irritation: Causes serious eye irritation.  
 Respiratory or skin sensitization: No sensitizing effect known.  
 Germ cell mutagenicity: No further relevant information available.  
 Carcinogenicity: No further relevant information available.  
 Reproductive toxicity: No further relevant information available.  
 STOT-single exposure: No further relevant information available.  
 STOT-repeated exposure: No further relevant information available.  
 Aspiration hazard: No further relevant information available.  
 Other information: No further relevant information available.

**12. Section 12. Ecological information:**

12.1. Toxicity:

Aquatic toxicity:

Fish:	LC50	Golden Orfe	>750 mg/l
	LC50 /48h	Leuciscus idus	>750 mg/l

- 12.2. Persistence and degradability: No further relevant information available.  
 12.3. Bioaccumulative potential: No further relevant information available.  
 12.4. Mobility in soil: No further relevant information available.

Additional ecological information:

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.  
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
 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.

12.5. Results of PBT and vPvB assessment:

- PBT: Not applicable  
 vPvB: Not applicable

- 12.6. Other adverse effects: No further relevant information available.

**13. Section 13. Disposal considerations:**

13.1. Waste treatment methods:

- Product: Must not be disposed together with household garbage.  
 Do not allow product to reach sewage system.  
 Dispose in safe manner in accordance with local/national regulation.  
 Uncleaned packagings: Disposal must be made according to official regulations.



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Skin Irrit. 2 Skin irritation, category 2  
TWA Time weighted average  
VOC Volatile Organic Compounds  
vPvB Very Persistent, Very Bioaccumulative

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**\*Compared to the last version the data has been changed.**