

SECTION 1

SUBSTANCE/MIXTURE IDENTIFIER AND THE COMPANY

1.1 Product Identifier

Trade name: DPF REGENERATOR FLUID

DPF Diesel Additive, suitable for vehicles from March 2000.

Product number:

V22-68-0029, V22-68-0030, V22-68-0031, V22-68-0032, V22-68-0033, V22-68-0034, V22-68-0035,
V22-68-0036, V22-68-0037, V60-0483, V60-0484

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

Uses of the substance:

Fuels and fuels additives

Uses advised against:

Every use which is not specified in this entry or section 7.3

1.3 Supplier details

VIEROL AG

Karlstraße 19

26123 Oldenburg - Germany

Tel.: +49 441 210 20-0

E-mail address: info@vierol.de

1.4 Emergency telephone number

Giftinformationszentrum Nord (Göttingen) +49 (0)551/19240

112: European emergency number, available throughout the European Union for emergencies and for medical first aid to persons.

SECTION 2

RISK IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1 Classification of the mixture according to Regulation (EC) No. 1272/2008 (CLP)

mixtures / substances : FDS EU > 2015 : according to regulation (EU) 2015/830, 2020/878.

2.2. Label elements

Labeling according to regulation (CE) N° 1272/2008 (CLP)

Danger pictogram (CLP):



GHS08

Warning message (CLP) : Danger

Contains : Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics; distillates (Fischer-Tropsch), C8-26 – branched and linear

Warning message (CLP) : H304 – May be mortal in case of ingestion and penetration in respiratory system.

Precautionary advice (CLP) : P301+P310 – IN CASE OF INGESTION : Call immediately a POISON CONTROL CENTER or a doctor.

P331 – DO NOT make vomit.

P405 – Keep locked up.

P501 – Eliminate the content / recipient in a collection center for dangerous or special residues, in accordance with local, regional, national and /or international regulations.

Phrase EUH : EUH066 – Repeated exposure may cause drying or cracking of the skin.

2.3. Other dangers

Repeated exposure may cause dryness or cracking of the skin.

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SECTION 3

INGREDIENTS COMPOSITION/INFORMATION

3.1 Substances

Does Not Apply.

3.2 Mixtures

Name	Product Identifier	%	Classification according to regulation (CE) N° 1272/2008 (CLP)
Destillates (Fischer-Tropsch), C8-26 – branched and linear	N° CAS: 848301-67-7 N° CE: 481-740-5	94	Asp. Tox. 1, H304
Trade Secret	-	≤ 2,7	Aquatic Chronic 3, H412
Cerium (3+) acetate	N° CAS: 537-00-8 N° CE: 208-654-0	≤ 0,1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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SECTION 4 FIRST AID ACTION

4.1 First Aid measures description

General advice

Show this safety data sheet to the doctor

Inhalation

- If breathed in, move person into fresh air.
- If symptoms persist, call a doctor.

In case of skin contact

- Take off immediately contaminated clothing and shoes immediately.
- Wash immediately and thoroughly for a prolonged period (at least 20 minutes).
- Wash off with soap and plenty of water.
- Call a doctor if irritation develops or persists

In case of eye contact

- Rinse immediately and abundantly with water, also under the eyelids, for at least 20 minutes.
- If eye irritation persists, consult a doctor.

In case of ingestion/suction

- Do NOT induce vomiting.
- Rinse mouth with plenty of water.
- Risk of product entering the lungs on vomiting after ingestion.
- Lay victim on side.
- Urgent medical attention is needed

4.2 Most important symptoms and effects, both acute and delayed

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

Non-relevant information

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SECTION 5

FIREFIGHTING MEASURES

5.1 Fire control measures:

Not flammable product under normal storage and handling conditions.

Appropriate fire control measures

- Foam
- Powder
- Carbon dioxide(CO₂)

Inappropriate fire control measures

- Water jet

5.2 Specific hazards arising from the substance/mixture

Specific hazards during firefighting

- Thermal combustion or decompression could result in highly toxic reaction by products and can, therefore, present a high health risk for health.
- The container could explode if is in contact with a heating source

5.3 Recommendations and equipment for fire fighting personnel

- Gloves
- Goggles
- Boots
- Full protective suit against chemical components
- Self-contained breathing apparatus (EN 133)

Specific extinction methods

Use sprayed water to cool completely closed containers

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SECTION 6

MEASURES AGAINST ACCIDENTAL DISCHARGE

6.1 Personal precaution, protective equipment and emergency procedure.

- Isolate the escapes
- Avoid skin and eyes contact
- Ventilate the area
- Do not breathe vapor
- Special protective equipment
- Self-contained breathing apparatus (EN 133)
- Safety goggles
- Boots
- Protective suit against chemicals
- Waterproof gloves
- Keep away from flames and hot surfaces

6.2 Environmental precautions:

Avoid at all costs that the product is dumped into the sewage system

6.3 Methods and materials for containment and clean up

Recovery

- Soak up with sand or inert absorbent material.
- Pump up the product into a hermetically sealable container
- Keep in an appropriate and hermetic container and closed for its disposal.

Decontamination / cleaning

Wash off with plenty of water

6.4 Reference to other sections

See epigraphs 8 and 13.

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SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

General precautions

- Comply with existing legislation on prevention of occupational hazards.
- Keep containers hermetically closed.
- Control spills and residues, eliminating them with safe methods (section 6)
- Avoid the free discharge from the container.
- Maintain order and cleanliness where dangerous products are handled.

Technical recommendations for fire and explosion prevention

- Not flammable product under normal conditions of storage, handling and use.
- It is recommended a slow transfer to avoid the generation of electrostatic charges that could affect flammable products.
- Check section 10 about conditions and matters that should be avoided.

7.2 Conditions for a correct storage and incompatibilities

Technical measures/Storage conditions A technical storage measures ITC (R.D.379/2001) MIE-APQ 7

Classification: Xn

Minimum temperature 5 ° C

Maximum temperature 30 ° C

Time limit: 6 years

- Keep in a cool and well-ventilated place
- Avoid open flames, hot surfaces and sources of ignition
- Avoid from incompatible materials (it should be indicated by the manufacturer)
- Keep away from: acids, alkalis and caustic products

Inappropriate material

Rubber

7.3 Specific(s) end uses(s)

Please refer to CH16 of registered uses under REACH.

Make sure that all local regulations related to handling and storage facilities are respected. See supplemental references that offer safe handling practices for liquids that are considered static accumulators : American Petroleum Institute 2003 (Protection Against Ignitions Arising from Static, Lightning and Stray Currents) or National Fire Agency 77 (Recommended Practices on Static Electricity). CENELEC CLC/TR 50404 (Electrostatics - Code of practice for the avoidance of hazards due to static electricity).

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SECTION 8

EXPOSURES CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1. Professional and biological exposure national limit values

In the absence of a national exposure limit, the American Conference of Governmental Industrial Hygienists (ACGIH) recommends the following values for diesel fuel: TWA – 100 mg/m³ Critical effects based on skin and irritation.

8.1.2. Recommended follow-up procedures

Biological limit values (VL) have not been established for this material.

8.1.3. Formed Atmospheric Contaminants

No additional information available.

8.1.4. DNEL y PNEC

No additional information available.

8.1.5. Control Band

Monitoring of the concentration of substances in the respiratory zone of workers or in a workplace in general may be necessary to confirm compliance with a LEP and the adequacy character of exposure control measures. For some substances, biological monitoring may also be appropriate. Validated exposure measurement methods should be applied by a competent person and samples analysed by an accredited laboratory. Examples of sources of recommended exposure measurement methods are listed below or contact the supplier. Other national methods may be available. National Institute Of Occupational Safety and Health (NIOSH), United States Of America : Manual of Analytical Methods <https://www.cdc.gov/niosh/> Occupational Safety and Health Administration (OSHA), United States Of America: Sampling and Analytical Methods <https://www.osha.gov/> Health and Safety Executive (SSE) , UK: Methods for the determination of Hazardous Substances, <https://www.hse.gov.uk/> Institut Für Arbeitsschutz Deutschen Gesetzlichen Unfallversicherung (IFA), Germany. <https://www.dguv.de/de/index.jsp> L'Institut National De Recherche et De Sécurité (INRS), France <https://www.inrs.fr/accueil>

8.2 Exhibition controls

A-Working environment

It is recommended, as a prevention measure, the use of basic personal protective equipment, with the corresponding mark of “CE” according to R.D 1407/1992 and subsequent amendments.

B-Respiratory protection

- Use a filtering respirator if a risk assessment indicates that is necessary
- Respirator with filter for organic vapor

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C-Hands protection

- Wear non-disposable and chemical protective gloves.
- The gloves should satisfy the specifications of EUR Directive 89/686/EEC and the standard EN374
- Observe permeability and breakthrough time that is provided by the glove's supplier, as well as the danger of cuts and erosion.
- Inspect the gloves prior use
- Discard if there is any degradation of the gloves.

D-Skin and body protection

- Body protection will differ accordingly to the amount and concentration of the substance at work place.
- Remove and wash contaminated clothing.
- Use long sleeved clothing

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

Such information is only given as guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Property	Value
Ph 20°C and 101.3kPa	Appearance: Physical State: Líquid Color: dark amber Smell: paraffin
pH	5.51
Melting point / freezing point	No determinated for the product
Initial boiling point and boiling range	110.6 ° C a 1.013 hPa
Flashpoint	No inflamamable (<60-64°C)
Evaporation rate	No determinated

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Flammability (solid, gas)	It is not relevant (liquid)
Upper / lower flammability or explosive limits	Lower explosive limits: 0.6% Upper explosion limits: 7.1 vol%
Vapor pressure	0.448 PSI a 70 °F
Relative density	0.787 g/cm ³ .
Solubilities	No determinated
Partition coefficient n-octanol / water	No data available
Autoignition temperature	>200 °C
Decomposition temperature	No data available
Viscosity	Kinematics (room temperature): 3.32 cm ² / s
Particle size	The substance / product is handled or used in a non-solid or granular form.
Explosive properties	N/A
Oxidizing properties	N/A

9.2 Additional Information

No information available

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SECTION 10

STABILITY AND REACTIVITY

10.1 Reactivity

Stable

10.2 Chemical Stability

Stable at room temperature

10.3 Possibility of hazardous reactions

Under normal storage conditions, no dangerous reactions are expected

10.4 Conditions to avoid

Avoid heat, sparks and open flame or other ignition source.

10.5 Incompatible materials

- Strong acids and bases
- Strong oxidizing agents
- Mineral acids

10.6 Dangerous decomposition products

Thermal decomposition highly depends on the conditions under which a complex mixture of solids, liquids, and gases suspended in air, including carbon monoxide, carbon dioxide, and other organic compounds, will evolve when this material is burned or damaged under thermal or oxydative means. Dangerous decomposition products should not be formed during normal storage.

SECTION 11

TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

The ingestion of a considerable dose could cause throat irritation, abdominal pain, nausea and vomiting.

Acute inhalation toxicity

The product has a low toxicity in high concentrations; it can cause depression of the central nervous system, causing headache, dizziness, nausea, vomiting and confusion, and in case of serious condition, loss of conscience.

Acute dermal toxicity

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Not classified as hazardous for acute dermal toxicity according to GHS.

Acute toxicity (other routes of information)

Unavailable information

Skin contact

It can be harmful if the product is absorbed by the skin. See section 2.

Eye irritation and damage

It doesn't present any dangerous substances for eyes. For further information see section 3.

Respiratory or skin sensitization

It does not contain substances hazardous to the skin, above the limits set out in point 3.2

Mutagenicity

- Genotoxicity in vitro: It is not considered to be genotoxic
- Genotoxicity in vivo: not relevant information

Carcinogenicity

- Toxicity to reproduction/fertility: the product is not considered to affect fertility.
- Developmental Toxicity/Teratogenicity: this product is not considered to be toxic for development. The product is not deemed to be teratogenic.

STOT

- STOT – single exposure: is not classified as organ toxicant for a single exposure according to GHS criteria.
- STOT – repeated exposures: is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.

Aspiration toxicity

No aspiration toxicity classification exists.

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SECTION 12

ECOLOGICAL INFORMATION

12.1 Toxicity

Dangers to the aquatic environment, short-term (acute) : not classified.

Dangers to the aquatic environment, long-term (chronic) : not classified.

Distillates (Fischer-Tropsch), C8-26 – branched and linear (848301-67-7)	
CE50 – Crustaceans (1)	>1000 mg/l Test organisms (species): Daphnia magna

12.2 Degradability process

The tests of this parameter are not applicable to UVCB substances.

12.3 Bioaccumulative potential

No supplementary information available.

12.4 Mobility in soil

Floats on water. Part of it evaporates from the water or soil surface, but a significant proportion will remain after a day. Large volumes can penetrate the soil and contaminate groundwater.

12.5 Results of PBT and vPvB assessment

Hydrocarbon substances do not meet the criteria of persistence, bioaccumulation and toxicity and, therefore, the product is not considered as PBT or VPVB

12.6 Other adverse effects

Films formed on water can affect oxygen transfer and damage organisms.

SECTION 13

RELATIVE CONSIDERATIONS TO ELIMINATION

13.1 Waste treatment methods

Product disposal

Must be incinerated in a suitable incineration plant and always holding a permit delivered by the competent authorities.

Advice on cleaning and disposal of packaging

- Carefully drain and then steam clean
- It may be reused after decontamination
- Dispose of in accordance to local regulations

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SECTION 14

TRANSPORT INFORMATION

In accordance with: ADR / IMDG / IATA / ADN / RID

14.1. Number ONU

N° ONU (ADR) : Not applicable
N° ONU (IMDG) : Not applicable
N° ONU (IATA) : Not applicable
N° ONU (AND) : Not applicable
N° ONU (RID) : Not applicable

14.2. Official shipping designation of the ONU

Official designation of transport (ADR) : Not applicable
Official designation of transport (IMDG) : Not applicable
Official designation of transport (IATA) : Not applicable
Official designation of transport (AND) : Not applicable
Official designation of transport (RID) : Not applicable

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not applicable
IMDG
Transport hazard class(es) (IMDG) : Not applicable
IATA
Transport hazard class(es) (IATA) : Not applicable
ADN
Transport hazard class(es) (AND) : Not applicable
RID
Transport hazard class(es) (RID) : Not applicable

14.4. Packing Group

Packing Group (ADR) : Not applicable
Packing Group (IMDG) : Not applicable
Packing Group (IATA) : Not applicable
Packing Group (AND) : Not applicable
Packing Group (RID) : Not applicable

14.5. Environmental Hazards

Environmental hazards : No
Marine pollutant : No
Other Information : No supplementary information available

14.6. Particular precautions to be taken by the user

Land transport

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Not applicable

Sea transport

Not applicable

Air transport

Not applicable

River transport

Not applicable

Railway transport

Not applicable

14.7. Bulk cargo in accordance with annex II of the Marpol agreement and with the IBC collection

Not applicable

SECTION 15

REGULATORY INFORMATION

15.1 Regulations/legislation specific to the substance or mixture in terms of safety, health and the environment

15.1.1 EU regulations

Does not contain substance subject to restrictions according to Annex XVII of REACH

Does not contain any substances on the REACH candidate list

Does not contain any substance listed in annex XIV of REACH

Does not contain any substance subject to regulation (EU) No. 649/2012 of the European Parliament and of the Council of July 4, 2012 regarding exports and imports of dangerous chemical products.

Does not contain any substance subject to regulation (EU) No. 2019/1012 of the European Parliament and of the Council of June 20, 2019 regarding persistent organic pollutants.

15.1.2 National directives

No supplementary information available

15.2 Chemical Safety Assessment

No supplementary information available

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SECTION 16

OTHER INFORMATION

Full text of sentences H y EUH	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, category 1
H304	May be fatal if swallowed and enters airways.
H400	Very toxic for aquatic organisms.
H410	Very toxic to aquatic organisms, it has long-term harmful effects.
H412	Harmful to aquatic organisms, it brings disastrous long-term effects.
EUH066	Repeated exposure may cause drying or cracking of the skin.

Safety Data Sheet (SFS), EU

This information is based on our current knowledge and describes the product solely for health, safety and environmental needs. They should therefore not be construed as guaranteeing any specific property of the product.