



# DPF Off-Car Cleaning Flush (Aerosol)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 29/02/2024 Revision date: 09/05/2023 Version: 3.02

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

#### 1.1. Product identifier

|               |                                        |
|---------------|----------------------------------------|
| Product form  | : Mixture                              |
| Product name  | : DPF Off-Car Cleaning Flush (Aerosol) |
| Product code  | : W28779                               |
| Vaporizer     | : Aerosol                              |
| Product group | : Trade product                        |

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Internal cleaning from petrol and diesel engines.

##### 1.2.2. Uses advised against

Restrictions on use : Seek expert judgment if the intended use is different from the recommended use

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

##### Supplier

ITW ADDITIVES INTL B.V.  
Industriepark-West 46  
9100 Sint-Niklaas  
BELGIUM  
T +32 3 766 60 20, F +32 3 778 16 56  
[msds@wynns.eu](mailto:msds@wynns.eu), [www.wynns.com](http://www.wynns.com)

##### Distributor

ITW Automotive Aftermarket  
Saxon House,  
2-4 Victoria Street  
SL4 1EN Windsor  
UNITED KINGDOM  
T +44 (0)24 7647 2634  
[sales@wynns.uk.com](mailto:sales@wynns.uk.com), [www.wynns.uk.com](http://www.wynns.uk.com)

##### Distributor

Wynn's Automotive France S.A.S.  
2 Av. Léonard de Vinci  
Z.A. Europarc  
33600 PESSAC Cedex  
FRANCE  
T +33 5 57 26 29 00  
[contact@wynns.fr](mailto:contact@wynns.fr), [www.wynns.fr](http://www.wynns.fr)

##### Distributor

Krafft S.L.U.  
Carretera de Urnieta, s/n  
20140 Andoain - Guipúzcoa  
ESPAÑA  
T +34 943 410 400, F +34 943 410 440  
[msds@krafft.es](mailto:msds@krafft.es), [www.krafft.es](http://www.krafft.es)

#### 1.4. Emergency telephone number

Emergency number : BIG: +32(0)14 58 45 45 (NL FR EN DE)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

|                                                               |           |
|---------------------------------------------------------------|-----------|
| Aerosol, Category 1                                           | H222;H229 |
| Skin corrosion/irritation, Category 2                         | H315      |
| Serious eye damage/eye irritation, Category 1                 | H318      |
| Specific target organ toxicity – Single exposure, Category 3, | H336      |
| Narcosis                                                      |           |
| Hazardous to the aquatic environment – Chronic Hazard,        | H411      |
| Category 2                                                    |           |
| Full text of H- and EUH-statements: see section 16            |           |

##### Adverse physicochemical, human health and environmental effects

No additional information available

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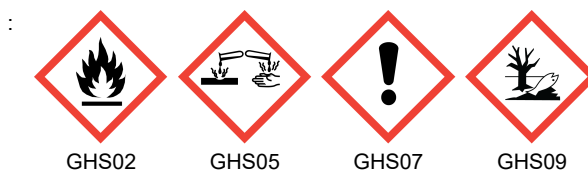
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### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: Hydrocarbons, C10, aromatics, <1% naphthalene; (Poly(oxy-1,2-ethanediyl),a-(2-propylheptyl)-w-hydroxy- ) ; Amides, coco, N,N-bis(hydroxyethyl)

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H315 - Causes skin irritation.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.  
Precautionary statements (CLP): P261 - Avoid breathing vapours, spray.  
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.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P102 - Keep out of reach of children.  
P210 - Keep away from hot surfaces, open flames, sparks, heat. – No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Pressurized container: Do not pierce or burn, even after use.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
EUH-statements : EUH208 - Contains 1-(N,N-Diethanolaminomethyl)-5-methylbenzotriazole, 1-(N,N-Diethanolaminomethyl)-4-methylbenzotriazole. May produce an allergic reaction.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

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 substance(s) are 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 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                                                   | Product identifier                                                                                 | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                    |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Hydrocarbons, C10, aromatics, <1% naphthalene                          | CAS-No.: 1189173-42-9<br>EC-No.: 918-811-1<br>REACH-no: 01-2119463583-34                           | 25 – 50 | STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>EUH066                                                                          |
| 2-butoxyethanol<br>substance with a Community workplace exposure limit | CAS-No.: 111-76-2<br>EC-No.: 203-905-0<br>EC Index-No.: 603-014-00-0<br>REACH-no: 01-2119475108-36 | 5 – 10  | Acute Tox. 4 (Oral), H302 (ATE=1200 mg/kg bodyweight)<br>Acute Tox. 3 (Inhalation), H331 (ATE=3 mg/l)<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |

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| Name                                                                                   | Product identifier                                                                                  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                           |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------|
| (2-methoxymethylethoxy)propanol<br>substance with a Community workplace exposure limit | CAS-No.: 34590-94-8<br>EC-No.: 252-104-2<br>REACH-no: 01-2119450011-60                              | 5 – 10  | Not classified                                                                                                            |
| 2-(2-butoxyethoxy)ethanol<br>substance with a Community workplace exposure limit       | CAS-No.: 112-34-5<br>EC-No.: 203-961-6<br>EC Index-No.: 603-096-00-8<br>REACH-no: 01-2119475104-44  | 2,5 – 5 | Eye Irrit. 2, H319                                                                                                        |
| (Poly(oxy-1,2-ethanediyl),a-(2-propylheptyl)-w-hydroxy- )                              | CAS-No.: 160875-66-1<br>EC-No.: Polymer                                                             | 2,5 – 5 | Acute Tox. 4 (Oral), H302 (ATE=2000 mg/kg bodyweight)<br>Eye Dam. 1, H318                                                 |
| Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)                  | CAS-No.: 68155-07-7<br>EC-No.: 931-329-6<br>REACH-no: 01-2119490100-53                              | 1 – 2,5 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411                                                        |
| Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)                                  | CAS-No.: 68603-38-3<br>EC-No.: 271-653-9<br>REACH-no: 01-2119951823-33                              | 1 – 2,5 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411                                                      |
| Ammoniumhydroxide<br>substance with a Community workplace exposure limit               | CAS-No.: 1336-21-6<br>EC-No.: 215-647-6<br>EC Index-No.: 007-001-01-2<br>REACH-no: 01-2119982985-14 | 0,1 – 1 | Skin Corr. 1B, H314<br>STOT SE 3, H335<br>Aquatic Acute 1, H400                                                           |
| 1-(N,N-Diethanolaminomethyl)-5-methylbenzotriazole                                     | CAS-No.: 80584-88-9<br>EC-No.: 279-501-3                                                            | 0,1 – 1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 |
| 1-(N,N-Diethanolaminomethyl)-4-methylbenzotriazole                                     | CAS-No.: 80584-89-0<br>EC-No.: 279-502-9                                                            | 0,1 – 1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 |

| Specific concentration limits: |                                                                                                     |                                   |
|--------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------|
| Name                           | Product identifier                                                                                  | Specific concentration limits (%) |
| Ammoniumhydroxide              | CAS-No.: 1336-21-6<br>EC-No.: 215-647-6<br>EC Index-No.: 007-001-01-2<br>REACH-no: 01-2119982985-14 | (5 ≤ C < 100) STOT SE 3, H335     |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

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

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Check the vital functions. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice. |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.                                                                                                                                                                                                                                                                                                                                                                |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.                                                                                                                                                                                                                                                                                                                                  |
| First-aid measures after eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                                                                                                                                                                                                                                                                                                                                                                                               |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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

|                                     |                                                         |
|-------------------------------------|---------------------------------------------------------|
| Symptoms/effects after inhalation   | : May cause respiratory irritation.                     |
| Symptoms/effects after skin contact | : Repeated exposure may cause skin dryness or cracking. |
| Symptoms/effects after eye contact  | : Causes serious eye damage.                            |

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                    |
|--------------------------------|------------------------------------|
| Suitable extinguishing media   | : Water spray. ABC-powder.         |
| 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. Heating may cause a fire or explosion.     |
| Explosion hazard | : No direct explosion hazard. Pressurised container: May burst if heated. |

#### 5.3. Advice for firefighters

|                                |                                                                                                                                                                       |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.                                                                       |

### SECTION 6: Accidental release measures

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

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

|                      |                                                                                                                               |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear suitable gloves and eye/face protection. protective clothing.                                                          |
| Emergency procedures | : Mark the danger area. Prevent flow to low areas. No naked flames, sparks, and do not smoke. Take off contaminated clothing. |

##### 6.1.2. For emergency responders

|                      |                   |
|----------------------|-------------------|
| Emergency procedures | : Ventilate area. |
|----------------------|-------------------|

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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

- For containment : Collect spillage.
- Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Do not pierce or burn, even after use.
- Precautions for safe handling : Meet the legal requirements. Keep away from sources of ignition - No smoking. Provide good ventilation in process area to prevent formation of vapour. Presents no particular risk when handled in accordance with good occupational hygiene practice.
- Hygiene measures : Use good personal hygiene practices. Wash contaminated clothing before reuse.

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

- Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- Storage temperature : ≤ 45 °C
- Heat and ignition sources : Keep away from sources of ignition - No smoking.
- Information on mixed storage : Keep away from strong acids and strong oxidizers.
- Storage area : Meet the legal requirements. Store in a dry place. Store in a well-ventilated place. Ventilation along the floor.
- Special rules on packaging : Labelling according to. Meet the legal requirements.

### 7.3. Specific end use(s)

See product bulletin for detailed information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| Hydrocarbons, C10, aromatics, <1% naphthalene (1189173-42-9) |                                    |
|--------------------------------------------------------------|------------------------------------|
| Belgium - Occupational Exposure Limits                       |                                    |
| OEL TWA                                                      | 200 mg/m <sup>3</sup>              |
| 2-butoxyethanol (111-76-2)                                   |                                    |
| EU - Indicative Occupational Exposure Limit (IOEL)           |                                    |
| Local name                                                   | 2-Butoxyethanol                    |
| IOEL TWA                                                     | 98 mg/m <sup>3</sup>               |
|                                                              | 20 ppm                             |
| IOEL STEL                                                    | 246 mg/m <sup>3</sup>              |
|                                                              | 50 ppm                             |
| Remark                                                       | Skin                               |
| Regulatory reference                                         | COMMISSION DIRECTIVE 2000/39/EC    |
| Belgium - Occupational Exposure Limits                       |                                    |
| Local name                                                   | 2-Butoxyéthanol # 2-Butoxy-ethanol |

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| 2-butoxyethanol (111-76-2)                         |                                            |
|----------------------------------------------------|--------------------------------------------|
| OEL TWA                                            | 98 mg/m <sup>3</sup>                       |
|                                                    | 20 ppm                                     |
| OEL STEL                                           | 246 mg/m <sup>3</sup>                      |
|                                                    | 50 ppm                                     |
| Regulatory reference                               | Koninklijk besluit/Arrêté royal 11/03/2002 |
| France - Occupational Exposure Limits              |                                            |
| VME (OEL TWA)                                      | 49 mg/m <sup>3</sup>                       |
|                                                    | 10 ppm                                     |
| VLE (OEL C/STEL)                                   | 246 mg/m <sup>3</sup>                      |
|                                                    | 50 ppm                                     |
| Hungary - Occupational Exposure Limits             |                                            |
| AK (OEL TWA)                                       | 98 mg/m <sup>3</sup>                       |
| CK (OEL STEL)                                      | 246 mg/m <sup>3</sup>                      |
| Netherlands - Occupational Exposure Limits         |                                            |
| TGG-8u (OEL TWA)                                   | 100 mg/m <sup>3</sup>                      |
|                                                    | 20 ppm                                     |
| TGG-15min (OEL STEL)                               | 246 mg/m <sup>3</sup>                      |
|                                                    | 50 ppm                                     |
| (2-methoxymethylethoxy)propanol (34590-94-8)       |                                            |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                            |
| IOEL TWA                                           | 308 mg/m <sup>3</sup>                      |
|                                                    | 50 ppm                                     |
| Belgium - Occupational Exposure Limits             |                                            |
| OEL TWA                                            | 308 mg/m <sup>3</sup>                      |
|                                                    | 50 ppm                                     |
| Remark                                             | D                                          |
| Hungary - Occupational Exposure Limits             |                                            |
| AK (OEL TWA)                                       | 308 mg/m <sup>3</sup>                      |
| CK (OEL STEL)                                      | 308 mg/m <sup>3</sup>                      |
| 2-(2-butoxyethoxy)ethanol (112-34-5)               |                                            |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                            |
| Local name                                         | 2-(2-Butoxyethoxy)ethanol                  |
| IOEL TWA                                           | 67,5 mg/m <sup>3</sup>                     |
|                                                    | 10 ppm                                     |
| IOEL STEL                                          | 101,2 mg/m <sup>3</sup>                    |
|                                                    | 15 ppm                                     |
| Regulatory reference                               | COMMISSION DIRECTIVE 2006/15/EC            |

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| 2-(2-butoxyethoxy)ethanol (112-34-5)               |                                                       |
|----------------------------------------------------|-------------------------------------------------------|
| Belgium - Occupational Exposure Limits             |                                                       |
| Local name                                         | 2-(2-Butoxyéthoxy)éthanol # 2-(2-Butoxyethoxy)ethanol |
| OEL TWA                                            | 67,5 mg/m <sup>3</sup>                                |
|                                                    | 10 ppm                                                |
| OEL STEL                                           | 101,2 mg/m <sup>3</sup>                               |
|                                                    | 15 ppm                                                |
| Regulatory reference                               | Koninklijk besluit/Arrêté royal 11/05/2021            |
| France - Occupational Exposure Limits              |                                                       |
| VME (OEL TWA)                                      | 101,2 mg/m <sup>3</sup>                               |
|                                                    | 15 ppm                                                |
| VLE (OEL C/STEL)                                   | 67,5 mg/m <sup>3</sup>                                |
|                                                    | 10 ppm                                                |
| Hungary - Occupational Exposure Limits             |                                                       |
| AK (OEL TWA)                                       | 67,5 mg/m <sup>3</sup>                                |
| CK (OEL STEL)                                      | 101,2 mg/m <sup>3</sup>                               |
| Ammoniumhydroxide (1336-21-6)                      |                                                       |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                                       |
| IOEL TWA                                           | 14 mg/m <sup>3</sup>                                  |
|                                                    | 20 ppm                                                |
| IOEL STEL                                          | 36 mg/m <sup>3</sup>                                  |
|                                                    | 50 ppm                                                |
| Belgium - Occupational Exposure Limits             |                                                       |
| OEL TWA                                            | 14 mg/m <sup>3</sup>                                  |
|                                                    | 20 ppm                                                |
| OEL STEL                                           | 36 mg/m <sup>3</sup>                                  |
|                                                    | 50 ppm                                                |
| Netherlands - Occupational Exposure Limits         |                                                       |
| TGG-8u (OEL TWA)                                   | 14 mg/m <sup>3</sup>                                  |
|                                                    | 20 ppm                                                |
| TGG-15min (OEL STEL)                               | 36 mg/m <sup>3</sup>                                  |
|                                                    | 50 ppm                                                |

### 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

| Hydrocarbons, C10, aromatics, <1% naphthalene (1189173-42-9) |                           |
|--------------------------------------------------------------|---------------------------|
| DNEL/DMEL (Workers)                                          |                           |
| Long-term - systemic effects, dermal                         | 12,5 mg/kg bodyweight/day |

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|                                                                        |                          |
|------------------------------------------------------------------------|--------------------------|
| <b>Hydrocarbons, C10, aromatics, &lt;1% naphthalene (1189173-42-9)</b> |                          |
| Long-term - systemic effects, inhalation                               | 151 mg/m <sup>3</sup>    |
| <b>DNEL/DMEL (General population)</b>                                  |                          |
| Long-term - systemic effects, oral                                     | 7,5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                               | 32 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal                                   | 7,5 mg/kg bodyweight/day |
| <b>2-butoxyethanol (111-76-2)</b>                                      |                          |
| <b>DNEL/DMEL (Workers)</b>                                             |                          |
| Acute - systemic effects, dermal                                       | 89 mg/kg bodyweight/day  |
| Acute - systemic effects, inhalation                                   | 1091 mg/m <sup>3</sup>   |
| Long-term - systemic effects, dermal                                   | 125 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                               | 98 mg/m <sup>3</sup>     |
| Long-term - local effects, inhalation                                  | 246 mg/m <sup>3</sup>    |
| <b>DNEL/DMEL (General population)</b>                                  |                          |
| Acute - systemic effects, dermal                                       | 89 mg/kg bodyweight      |
| Acute - systemic effects, inhalation                                   | 426 mg/m <sup>3</sup>    |
| Acute - systemic effects, oral                                         | 26,7 mg/kg bodyweight    |
| Long-term - systemic effects, oral                                     | 6,3 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                               | 59 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal                                   | 75 mg/kg bodyweight/day  |
| Long-term - local effects, inhalation                                  | 147 mg/m <sup>3</sup>    |
| <b>PNEC (Water)</b>                                                    |                          |
| PNEC aqua (freshwater)                                                 | 8,8 mg/l                 |
| PNEC aqua (marine water)                                               | 0,88 mg/l                |
| PNEC aqua (intermittent, freshwater)                                   | 9,1 mg/l                 |
| <b>PNEC (Sediment)</b>                                                 |                          |
| PNEC sediment (freshwater)                                             | 34,6 mg/kg dwt           |
| PNEC sediment (marine water)                                           | 3,46 mg/kg dwt           |
| <b>PNEC (Soil)</b>                                                     |                          |
| PNEC soil                                                              | 2,33 mg/kg dwt           |
| <b>PNEC (STP)</b>                                                      |                          |
| PNEC sewage treatment plant                                            | 463 mg/l                 |
| <b>(2-methoxymethylethoxy)propanol (34590-94-8)</b>                    |                          |
| <b>DNEL/DMEL (Workers)</b>                                             |                          |
| Long-term - systemic effects, dermal                                   | 283 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                               | 308 mg/m <sup>3</sup>    |
| <b>DNEL/DMEL (General population)</b>                                  |                          |
| Long-term - systemic effects, oral                                     | 36 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation                               | 37,2 mg/m <sup>3</sup>   |

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| (2-methoxymethylethoxy)propanol (34590-94-8) |                          |
|----------------------------------------------|--------------------------|
| Long-term - systemic effects, dermal         | 121 mg/kg bodyweight/day |
| <b>PNEC (Water)</b>                          |                          |
| PNEC aqua (freshwater)                       | 19 mg/l                  |
| PNEC aqua (marine water)                     | 1,9 mg/l                 |
| PNEC aqua (intermittent, freshwater)         | 190 mg/l                 |
| <b>PNEC (Sediment)</b>                       |                          |
| PNEC sediment (freshwater)                   | 70,2 mg/kg dwt           |
| PNEC sediment (marine water)                 | 7,02 mg/kg dwt           |
| <b>PNEC (Soil)</b>                           |                          |
| PNEC soil                                    | 2,74 mg/kg dwt           |
| <b>PNEC (STP)</b>                            |                          |
| PNEC sewage treatment plant                  | 4168 mg/l                |
| 2-(2-butoxyethoxy)ethanol (112-34-5)         |                          |
| <b>DNEL/DMEL (Workers)</b>                   |                          |
| Acute - local effects, inhalation            | 101,2 mg/m³              |
| Long-term - systemic effects, dermal         | 83 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation     | 67,5 mg/m³               |
| Long-term - local effects, inhalation        | 67,5 mg/m³               |
| <b>DNEL/DMEL (General population)</b>        |                          |
| Acute - local effects, inhalation            | 60,7 mg/m³               |
| Long-term - systemic effects, oral           | 5 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation     | 40,5 mg/m³               |
| Long-term - systemic effects, dermal         | 50 mg/kg bodyweight/day  |
| Long-term - local effects, inhalation        | 40,5 mg/m³               |
| <b>PNEC (Water)</b>                          |                          |
| PNEC aqua (freshwater)                       | 1,1 mg/l                 |
| PNEC aqua (marine water)                     | 0,11 mg/l                |
| PNEC aqua (intermittent, freshwater)         | 11 mg/l                  |
| <b>PNEC (Sediment)</b>                       |                          |
| PNEC sediment (freshwater)                   | 4,4 mg/kg dwt            |
| PNEC sediment (marine water)                 | 0,44 mg/kg dwt           |
| <b>PNEC (Soil)</b>                           |                          |
| PNEC soil                                    | 0,32 mg/kg dwt           |
| <b>PNEC (Oral)</b>                           |                          |
| PNEC oral (secondary poisoning)              | 56 mg/kg food            |
| <b>PNEC (STP)</b>                            |                          |
| PNEC sewage treatment plant                  | 200 mg/l                 |

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| Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) (68155-07-7) |                           |
|------------------------------------------------------------------------------------|---------------------------|
| DNEL/DMEL (Workers)                                                                |                           |
| Long-term - systemic effects, dermal                                               | 4,16 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                                           | 73,4 mg/m³                |
| DNEL/DMEL (General population)                                                     |                           |
| Long-term - systemic effects, oral                                                 | 6,25 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                                           | 21,73 mg/m³               |
| Long-term - systemic effects, dermal                                               | 2,5 mg/kg bodyweight/day  |
| PNEC (Water)                                                                       |                           |
| PNEC aqua (freshwater)                                                             | 0,007 mg/l                |
| PNEC aqua (marine water)                                                           | 0,0007 mg/l               |
| PNEC aqua (intermittent, freshwater)                                               | 0,024 mg/l                |
| PNEC (Sediment)                                                                    |                           |
| PNEC sediment (freshwater)                                                         | 0,195 mg/kg dwt           |
| PNEC sediment (marine water)                                                       | 0,0195 mg/kg dwt          |
| PNEC (Soil)                                                                        |                           |
| PNEC soil                                                                          | 0,0348 mg/kg dwt          |
| PNEC (STP)                                                                         |                           |
| PNEC sewage treatment plant                                                        | 830 mg/l                  |
| Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)                 |                           |
| DNEL/DMEL (Workers)                                                                |                           |
| Long-term - systemic effects, dermal                                               | 4,16 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                                           | 73,44 mg/m³               |
| DNEL/DMEL (General population)                                                     |                           |
| Long-term - systemic effects, oral                                                 | 6,25 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                                           | 21,73 mg/m³               |
| Long-term - systemic effects, dermal                                               | 2,5 mg/kg bodyweight/day  |
| PNEC (STP)                                                                         |                           |
| PNEC sewage treatment plant                                                        | 0,83 mg/l                 |

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Does not require any specific or particular technical measures.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Safety glasses. Gloves.

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### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

No additional information available

#### 8.2.2.2. Skin protection

##### Hand protection:

Neoprene. Nitrile rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer

#### 8.2.2.3. Respiratory protection

No additional information available

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                               |
|-------------------------------------------------|-------------------------------|
| Physical state                                  | : Liquid                      |
| Colour                                          | : Not available               |
| Odour                                           | : characteristic.             |
| Odour threshold                                 | : Not available               |
| Melting point                                   | : Not available               |
| Freezing point                                  | : Not available               |
| Boiling point                                   | : Not available               |
| Flammability                                    | : Not available               |
| Lower explosion limit                           | : Not available               |
| Upper explosion limit                           | : Not available               |
| Flash point                                     | : Not applicable              |
| Auto-ignition temperature                       | : Not available               |
| Decomposition temperature                       | : Not available               |
| pH                                              | : Not available               |
| Viscosity, kinematic                            | : Not available               |
| Solubility                                      | : Not available               |
| Partition coefficient n-octanol/water (Log Kow) | : Not available               |
| Vapour pressure                                 | : Not available               |
| Vapour pressure at 50°C                         | : Not available               |
| Density                                         | : 850 kg/m <sup>3</sup> @20°C |
| Relative density                                | : Not available               |
| Relative vapour density at 20°C                 | : Not available               |
| Particle characteristics                        | : Not applicable              |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 58 %

#### 9.2.2. Other safety characteristics

Additional information : The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Extremely flammable aerosol. Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

Keep away from strong acids and strong oxidizers.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours. Carbon monoxide. Carbon dioxide. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Hydrocarbons, C10, aromatics, <1% naphthalene (1189173-42-9)

|                       |                                           |
|-----------------------|-------------------------------------------|
| LD50 oral rat         | 6318 mg/kg bodyweight Crl:CDBR            |
| LD50 dermal rabbit    | > 2000 mg/kg bodyweight New Zealand White |
| LC50 Inhalation - Rat | > 4,688 mg/l/4h Sprague-Dawley            |

#### 2-butoxyethanol (111-76-2)

|                 |                                        |
|-----------------|----------------------------------------|
| LD50 oral rat   | 1200 mg/kg bodyweight Rat              |
| LD50 dermal rat | > 2000 mg/kg bodyweight Sprague-Dawley |

#### (2-methoxymethylethoxy)propanol (34590-94-8)

|                    |                                           |
|--------------------|-------------------------------------------|
| LD50 oral rat      | > 5000 mg/kg bodyweight Sprague-Dawley    |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight New Zealand White |

#### 2-(2-butoxyethoxy)ethanol (112-34-5)

|                             |                                         |
|-----------------------------|-----------------------------------------|
| LD50 oral rat               | 7291 mg/kg bodyweight COBS, CD, BR      |
| LD50 dermal rabbit          | 2764 mg/kg bodyweight New Zealand White |
| LC50 Inhalation - Rat [ppm] | > 29 ppm @2h                            |

#### (Poly(oxy-1,2-ethanediyl),a-(2-propylheptyl)-w-hydroxy- ) (160875-66-1)

|               |                                 |
|---------------|---------------------------------|
| LD50 oral rat | > 300 (≤ 2000) mg/kg bodyweight |
|---------------|---------------------------------|

#### Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)

|               |                         |
|---------------|-------------------------|
| LD50 oral rat | > 3000 mg/kg bodyweight |
|---------------|-------------------------|

Skin corrosion/irritation : Causes skin irritation.

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|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Serious eye damage/irritation     | : Causes serious eye damage.         |
| Respiratory or skin sensitisation | : Not classified                     |
| Germ cell mutagenicity            | : Not classified                     |
| Carcinogenicity                   | : Not classified                     |
| Reproductive toxicity             | : Not classified                     |
| STOT-single exposure              | : May cause drowsiness or dizziness. |

### Hydrocarbons, C10, aromatics, <1% naphthalene (1189173-42-9)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

### Ammoniumhydroxide (1336-21-6)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

|                        |                  |
|------------------------|------------------|
| STOT-repeated exposure | : Not classified |
| Aspiration hazard      | : Not classified |

### DPF Off-Car Cleaning Flush (Aerosol)

|           |         |
|-----------|---------|
| Vaporizer | Aerosol |
|-----------|---------|

### Hydrocarbons, C10, aromatics, <1% naphthalene (1189173-42-9)

|                                              |           |
|----------------------------------------------|-----------|
| Viscosity, kinematic                         | < 2 mm²/s |
| Aliphatic, alicyclic or aromatic hydrocarbon | Yes       |

### 2-butoxyethanol (111-76-2)

|                      |             |
|----------------------|-------------|
| Viscosity, kinematic | < 3,7 mm²/s |
|----------------------|-------------|

### 2-(2-butoxyethoxy)ethanol (112-34-5)

|                      |             |
|----------------------|-------------|
| Viscosity, kinematic | < 6,1 mm²/s |
|----------------------|-------------|

### (Poly(oxy-1,2-ethanediyl),a-(2-propylheptyl)-w-hydroxy- ) (160875-66-1)

|                                              |              |
|----------------------------------------------|--------------|
| Viscosity, kinematic                         | 60,606 mm²/s |
| Aliphatic, alicyclic or aromatic hydrocarbon | Yes          |

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                           |
|-----------------------------------------------------------|---------------------------------------------------------------------------|
| Ecology - general                                         | : This product contains hazardous components for the aquatic environment. |
| Ecology - water                                           | : Toxic to aquatic life with long lasting effects.                        |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                                          |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects.                        |

### Hydrocarbons, C10, aromatics, <1% naphthalene (1189173-42-9)

|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| LC50 - Fish [1]                    | 96h 2 (≤ 5) mg/l Oncorhynchus mykiss             |
| EC50 - Crustacea [1]               | 48h 3 (≤ 10) mg/l Daphnia magna                  |
| EC50 - Other aquatic organisms [1] | 72h 1 (≤ 3) mg/l Pseudokirchneriella subcapitata |
| NOEC chronic fish                  | 0,441 mg/l                                       |
| NOEC chronic crustacea             | 0,771 mg/l                                       |
| NOEC chronic algae                 | 1 mg/l                                           |

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|                                                                                           |                                                |
|-------------------------------------------------------------------------------------------|------------------------------------------------|
| <b>2-butoxyethanol (111-76-2)</b>                                                         |                                                |
| LC50 - Fish [1]                                                                           | 96h 1464 mg/l Oncorhynchus mykiss              |
| EC50 - Crustacea [1]                                                                      | 48h 1800 mg/l Daphnia magna                    |
| EC50 - Other aquatic organisms [1]                                                        | 72h 911 mg/l Pseudokirchneriella subcapitata   |
| NOEC (acute)                                                                              | 72h 88 mg/l Pseudokirchneriella subcapitata    |
| <b>(2-methoxymethylethoxy)propanol (34590-94-8)</b>                                       |                                                |
| LC50 - Fish [1]                                                                           | > 1930 mg/l @96h Cyprinodon variegatus         |
| EC50 - Other aquatic organisms [1]                                                        | 48h 1930 mg/l Acartia tonsa                    |
| EC50 - Other aquatic organisms [2]                                                        | 72h 7935 mg/l Skeletonema grethae              |
| LOEC (acute)                                                                              | 48h 2200 mg/l Acartia tonsa                    |
| NOEC (acute)                                                                              | 96h 1930 mg/l Cyprinodon variegatus            |
| <b>2-(2-butoxyethoxy)ethanol (112-34-5)</b>                                               |                                                |
| LC50 - Fish [1]                                                                           | 96h 1300 mg/l Lepomis macrochirus              |
| EC50 - Crustacea [1]                                                                      | 24h 2850 mg/l Daphnia magna                    |
| EC50 - Other aquatic organisms [1]                                                        | 72h 1101 mg/l Pseudokirchnerella subcapitata   |
| <b>(Poly(oxy-1,2-ethanediyl),a-(2-propylheptyl)-w-hydroxy- ) (160875-66-1)</b>            |                                                |
| EC50 - Crustacea [1]                                                                      | > 10 (≤ 100) mg/l @48h Daphnia magna           |
| EC50 - Other aquatic organisms [1]                                                        | > 10 (≤ 100) mg/l @72h Scenedesmus subspicatus |
| NOEC (chronic)                                                                            | > 1 mg/l                                       |
| <b>Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) (68155-07-7)</b> |                                                |
| LC50 - Fish [1]                                                                           | 96h 2,4 mg/l Oncorhynchus mykiss               |
| EC50 - Crustacea [1]                                                                      | 48h 3,2 mg/l Daphnia magna                     |
| <b>Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)</b>                 |                                                |
| LC50 - Fish [1]                                                                           | 96h 1,2 mg/l oncorhynchus mykiss               |
| NOEC (acute)                                                                              | 72h 2 mg/l Desmodesmus subspicatus             |
| NOEC (chronic)                                                                            | > 0,01 (≤ 0,1) mg/l @21d daphnia magna         |
| <b>Ammoniumhydroxide (1336-21-6)</b>                                                      |                                                |
| EC50 - Crustacea [1]                                                                      | 48d 101 mg/l daphnia magna                     |
| EC50 - Other aquatic organisms [1]                                                        | 18d 2700 mg/l chlorella vulgaris               |
| <b>12.2. Persistence and degradability</b>                                                |                                                |
| <b>DPF Off-Car Cleaning Flush (Aerosol)</b>                                               |                                                |
| Persistence and degradability                                                             | Rapidly degradable                             |
| <b>Hydrocarbons, C10, aromatics, &lt;1% naphthalene (1189173-42-9)</b>                    |                                                |
| Persistence and degradability                                                             | Readily biodegradable.                         |
| Biodegradation                                                                            | 50 %                                           |
| <b>2-butoxyethanol (111-76-2)</b>                                                         |                                                |
| Persistence and degradability                                                             | Readily biodegradable.                         |

# DPF Off-Car Cleaning Flush (Aerosol)

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|                                                                                           |                        |
|-------------------------------------------------------------------------------------------|------------------------|
| <b>(2-methoxymethylethoxy)propanol (34590-94-8)</b>                                       |                        |
| Persistence and degradability                                                             | Rapidly degradable     |
| <b>2-(2-butoxyethoxy)ethanol (112-34-5)</b>                                               |                        |
| Persistence and degradability                                                             | Rapidly degradable     |
| <b>(Poly(oxy-1,2-ethanediyl),a-(2-propylheptyl)-w-hydroxy- ) (160875-66-1)</b>            |                        |
| Persistence and degradability                                                             | Readily biodegradable. |
| <b>Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) (68155-07-7)</b> |                        |
| Persistence and degradability                                                             | Rapidly degradable     |
| <b>Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)</b>                 |                        |
| Persistence and degradability                                                             | biodegradable.         |
| <b>Ammoniumhydroxide (1336-21-6)</b>                                                      |                        |
| Persistence and degradability                                                             | Rapidly degradable     |
| <b>1-(N,N-Diethanolaminomethyl)-5-methylbenzotriazole (80584-88-9)</b>                    |                        |
| Persistence and degradability                                                             | Rapidly degradable     |
| <b>1-(N,N-Diethanolaminomethyl)-4-methylbenzotriazole (80584-89-0)</b>                    |                        |
| Persistence and degradability                                                             | Rapidly degradable     |

### 12.3. Bioaccumulative potential

|                                                                                |                           |
|--------------------------------------------------------------------------------|---------------------------|
| <b>2-butoxyethanol (111-76-2)</b>                                              |                           |
| Bioaccumulative potential                                                      | Slightly bioaccumulative. |
| <b>(2-methoxymethylethoxy)propanol (34590-94-8)</b>                            |                           |
| Partition coefficient n-octanol/water (Log Pow)                                | 1,01                      |
| <b>2-(2-butoxyethoxy)ethanol (112-34-5)</b>                                    |                           |
| Partition coefficient n-octanol/water (Log Pow)                                | 1                         |
| <b>(Poly(oxy-1,2-ethanediyl),a-(2-propylheptyl)-w-hydroxy- ) (160875-66-1)</b> |                           |
| Bioaccumulative potential                                                      | Bioaccumulation unlikely. |

### 12.4. Mobility in soil

|                                   |                   |
|-----------------------------------|-------------------|
| <b>2-butoxyethanol (111-76-2)</b> |                   |
| Ecology - soil                    | Small adsorption. |

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                                     |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Do not pierce or burn, even after use. Remove to an authorized waste treatment plant.                     |
| European List of Waste (LoW, EC 2000/532)  | : 14 06 03* - other solvents and solvent mixtures<br>15 01 11* - metallic packaging containing a dangerous solid porous matrix (e.g. asbestos), including empty pressure containers |

### SECTION 14: Transport information

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

| ADR                                                   | IMDG                                                       | IATA                                                        | ADN                                              | RID                                              |
|-------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>14.1. UN number or ID number</b>                   |                                                            |                                                             |                                                  |                                                  |
| UN 1950                                               | UN 1950                                                    | UN 1950                                                     | UN 1950                                          | UN 1950                                          |
| <b>14.2. UN proper shipping name</b>                  |                                                            |                                                             |                                                  |                                                  |
| AEROSOLS                                              | AEROSOLS                                                   | Aerosols, flammable                                         | AEROSOLS                                         | AEROSOLS                                         |
| <b>Transport document description</b>                 |                                                            |                                                             |                                                  |                                                  |
| UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1                                      | UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS |
| <b>14.3. Transport hazard class(es)</b>               |                                                            |                                                             |                                                  |                                                  |
| 2.1                                                   | 2.1                                                        | 2.1                                                         | 2.1                                              | 2.1                                              |
|                                                       |                                                            |                                                             |                                                  |                                                  |
| <b>14.4. Packing group</b>                            |                                                            |                                                             |                                                  |                                                  |
| Not applicable                                        | Not applicable                                             | Not applicable                                              | Not applicable                                   | Not applicable                                   |
| <b>14.5. Environmental hazards</b>                    |                                                            |                                                             |                                                  |                                                  |
| Dangerous for the environment: Yes                    | Dangerous for the environment: Yes<br>Marine pollutant: No | Dangerous for the environment: Yes                          | Dangerous for the environment: Yes               | Dangerous for the environment: Yes               |
| No supplementary information available                |                                                            |                                                             |                                                  |                                                  |

#### 14.6. Special precautions for user

##### Overland transport

|                                                                         |                      |
|-------------------------------------------------------------------------|----------------------|
| Classification code (ADR)                                               | : 5F                 |
| Special provisions (ADR)                                                | : 190, 327, 344, 625 |
| Limited quantities (ADR)                                                | : 1I                 |
| Excepted quantities (ADR)                                               | : E0                 |
| Packing instructions (ADR)                                              | : P207               |
| Special packing provisions (ADR)                                        | : PP87, RR6, L2      |
| Mixed packing provisions (ADR)                                          | : MP9                |
| Transport category (ADR)                                                | : 2                  |
| Special provisions for carriage - Packages (ADR)                        | : V14                |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV12          |
| Special provisions for carriage - Operation (ADR)                       | : S2                 |
| Tunnel restriction code (ADR)                                           | : D                  |

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### Transport by sea

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Special provisions (IMDG)         | : 63, 190, 277, 327, 344, 381, 959 |
| Limited quantities (IMDG)         | : SP277                            |
| Excepted quantities (IMDG)        | : E0                               |
| Packing instructions (IMDG)       | : P207, LP200                      |
| Special packing provisions (IMDG) | : PP87, L2                         |
| EmS-No. (Fire)                    | : F-D                              |
| EmS-No. (Spillage)                | : S-U                              |
| Stowage category (IMDG)           | : None                             |
| Stowage and handling (IMDG)       | : SW1, SW22                        |
| Segregation (IMDG)                | : SG69                             |
| MFAG-No                           | : 126                              |

### Air transport

|                                              |                    |
|----------------------------------------------|--------------------|
| PCA Excepted quantities (IATA)               | : E0               |
| PCA Limited quantities (IATA)                | : Y203             |
| PCA limited quantity max net quantity (IATA) | : 30kgG            |
| PCA packing instructions (IATA)              | : 203              |
| PCA max net quantity (IATA)                  | : 75kg             |
| CAO packing instructions (IATA)              | : 203              |
| CAO max net quantity (IATA)                  | : 150kg            |
| Special provisions (IATA)                    | : A145, A167, A802 |
| ERG code (IATA)                              | : 10L              |

### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : 5F                 |
| Special provisions (ADN)          | : 190, 327, 344, 625 |
| Limited quantities (ADN)          | : 1 L                |
| Excepted quantities (ADN)         | : E0                 |
| Equipment required (ADN)          | : PP, EX, A          |
| Ventilation (ADN)                 | : VE01, VE04         |
| Number of blue cones/lights (ADN) | : 1                  |

### Rail transport

|                                                                         |                      |
|-------------------------------------------------------------------------|----------------------|
| Classification code (RID)                                               | : 5F                 |
| Special provisions (RID)                                                | : 190, 327, 344, 625 |
| Limited quantities (RID)                                                | : 1L                 |
| Excepted quantities (RID)                                               | : E0                 |
| Packing instructions (RID)                                              | : P207, LP200        |
| Special packing provisions (RID)                                        | : PP87, RR6, L2      |
| Mixed packing provisions (RID)                                          | : MP9                |
| Transport category (RID)                                                | : 2                  |
| Special provisions for carriage – Packages (RID)                        | : W14                |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12          |
| Colis express (express parcels) (RID)                                   | : CE2                |
| Hazard identification number (RID)                                      | : 23                 |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 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)

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### 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)

### 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)

### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.1.2. National regulations

### France

| Occupational diseases |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Code                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RG 84                 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

### Germany

- Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).
- Chemicals Prohibition Ordinance (ChemVerbotsV) : This product is subject to ChemVerbotsV Annex 1 Entry 1. Paragraph 1) Coated and uncoated wood-based materials (chipboard, blockboard, veneer panels, and fibreboard) may not be placed on the market if the equalizing concentration of formaldehyde in the air in a test room exceeds 0.1 ml / cbm (ppm). Paragraph 2) Furniture that contains wood-based materials that do not meet the requirements of Paragraph 1 may not be placed on the market. Paragraph 1 is also deemed to have been fulfilled if the furniture complies with the equalization concentration specified in paragraph 1 during a whole-body test. Paragraph 3) Detergents, cleaning agents and care products with a mass content of more than 0.2% formaldehyde may not be placed on the market.
- Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

### Netherlands

- SZW-lijst van kankerverwekkende stoffen : Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) is listed
- SZW-lijst van mutagene stoffen : Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) is listed
- SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### Denmark

- Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
- Pregnant/breastfeeding women working with the product must not be in direct contact with the product

# DPF Off-Car Cleaning Flush (Aerosol)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Data sources : JISZ 7253 : 2019.

#### Full text of H- and EUH-statements:

|                           |                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3                                                                                                                |
| Acute Tox. 4 (Oral)       | Acute toxicity (oral), Category 4                                                                                                                  |
| Aquatic Acute 1           | Hazardous to the aquatic environment – Acute Hazard, Category 1                                                                                    |
| Aquatic Chronic 2         | Hazardous to the aquatic environment – Chronic Hazard, Category 2                                                                                  |
| Aquatic Chronic 3         | Hazardous to the aquatic environment – Chronic Hazard, Category 3                                                                                  |
| Asp. Tox. 1               | Aspiration hazard, Category 1                                                                                                                      |
| EUH066                    | Repeated exposure may cause skin dryness or cracking.                                                                                              |
| EUH208                    | Contains 1-(N,N-Diethanolaminomethyl)-5-methylbenzotriazole, 1-(N,N-Diethanolaminomethyl)-4-methylbenzotriazole. May produce an allergic reaction. |
| Eye Dam. 1                | Serious eye damage/eye irritation, Category 1                                                                                                      |
| Eye Irrit. 2              | Serious eye damage/eye irritation, Category 2                                                                                                      |
| H222                      | Extremely flammable aerosol.                                                                                                                       |
| H229                      | Pressurised container: May burst if heated.                                                                                                        |
| H302                      | Harmful if swallowed.                                                                                                                              |
| H304                      | May be fatal if swallowed and enters airways.                                                                                                      |
| H314                      | Causes severe skin burns and eye damage.                                                                                                           |
| H315                      | Causes skin irritation.                                                                                                                            |
| H317                      | May cause an allergic skin reaction.                                                                                                               |
| H318                      | Causes serious eye damage.                                                                                                                         |
| H319                      | Causes serious eye irritation.                                                                                                                     |
| H331                      | Toxic if inhaled.                                                                                                                                  |
| H335                      | May cause respiratory irritation.                                                                                                                  |
| H336                      | May cause drowsiness or dizziness.                                                                                                                 |
| H400                      | Very toxic to aquatic life.                                                                                                                        |
| H411                      | Toxic to aquatic life with long lasting effects.                                                                                                   |
| H412                      | Harmful to aquatic life with long lasting effects.                                                                                                 |
| Skin Corr. 1B             | Skin corrosion/irritation, Category 1, Sub-Category 1B                                                                                             |
| Skin Irrit. 2             | Skin corrosion/irritation, Category 2                                                                                                              |
| Skin Sens. 1              | Skin sensitisation, Category 1                                                                                                                     |
| STOT SE 3                 | Specific target organ toxicity – Single exposure, Category 3, Narcosis                                                                             |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.