

SAFETY DATA SHEET

DPF REGENERATOR

Version:1


First edition date: 29/07/2016

RE EC/830/2015 - CLP 1272/200

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1. 1. Product identifier: DPF REGENERATOR
1. 1. 1. Contains:
- Distillats naphéniques légers (pétrole), hydrotraités
 - Hydrocarbons, C10, aromatics, <1% naphthalene
 - solvant naphta aromatique lourd
 - 2-ethyl hexyl nitrate
1. 1. 2. EC number: Not applicable.
1. 2. Relevant identified uses of the substance or mixture and uses advised against: Cleaning for particle filter
1. 3. Details of the supplier of the safety data sheet: SELD
6 rue Jules Guesde – ZI du Pontet
F-69360 Saint Symphorien d'Ozon
France
Phone: +33 (0)4 37 25 16 16
Fax: +33 (0)4 78 21 80 70
E-mail: contact@mecatech-performances.com
1. 4. Emergency telephone number: UK - National Poisons Information Service Phone: 44 / 191 22 5131
1. 5. Product code nr: MT019

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture:
- * Asp. Tox. 1 / GHS08 - H304 *
 - * Acute Tox. 4 / GHS07 - H312 *
 - * Skin Sens. 1 / GHS07 - H317 *
 - * STOT SE 3 / GHS07 - H335 and H336 *
 - * Aquatic. Chronic 2 / GHS09 - H411 *
2. 2. Label elements:
- 
- Danger
2. 2. 1. Symbol(s) and signal word: .
2. 2. 2. Hazard statement:
- H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.
H335-336 May cause respiratory irritation May cause drowsiness or dizziness.
2. 2. 3. Prevention:
- P280 Wear protective gloves / protective clothing / eye protection / face protection.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P271 Use only outdoors or in a well-ventilated area.
2. 2. 4. Response:
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P310a Immediately call a POISON CENTER / doctor.
P312a Call a POISON CENTER / doctor if you feel unwell.
P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
P321a Specific treatment (see item nr 4.3.).
P362 Take off contaminated clothing.
P364 And wash it before reuse.
P301 IF SWALLOWED:
P331 Do NOT induce vomiting.
P391 Collect spillage.
P304 IF INHALED:
P340 Remove person to fresh air and keep comfortable for breathing.

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| 2. 2. 5. Storage: | P405 Store locked up.
P403 Store in a well-ventilated place.
P233 Keep container tightly closed. |
| 2. 2. 6. Disposal: | P501a Dispose of contents / container in accordance with local / regional / national / international regulation |
| 2. 3. Further information(s): | EUH 066 - Repeated exposure may cause skin dryness or cracking.
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use. |
| 2. 4. Other hazards: | Affect many plastics.
React with strong acids and oxidising compounds. |

3. COMPOSITION / INFORMATION ON INGREDIENTS

- | | |
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| 3. 1. Component(s) contributing to the health hazard: | <ul style="list-style-type: none">• Distillats naphténiques légers (pétrole), hydrotraités<ul style="list-style-type: none">- CE nr: 265-156-6 - CAS nr: .64742-53-6- REACH registration number : 01-2119480375-34-0000- Conc. (weight %) : 60 < C ≤ 70- GHS (Globally Harmonized System)* GHS08 - Health hazard - Danger - Asp. Tox. 1 - H304- Miscellaneous :
LD50 / Dermal / Rabbit = >2000 mg/kg
LD50 / Oral / Rat = >5000 mg/kg
LC50 / Fish = >100 mg/l
LC50 / 48h / Algae = >100 mg/l
• Hydrocarbons, C10, aromatics, <1% naphthalene<ul style="list-style-type: none">- CE nr: 918-811-1- REACH registration number : 01-2119463583-34- Conc. (weight %) : 25 < C ≤ 30- GHS (Globally Harmonized System)* GHS07 - Exclamation mark - Warning - STOT SE 3 - H336 * GHS08 - Health hazard - Danger - Asp. Tox. 1 - H304* GHS09 - Environment - Aquatic. Chronic 2 - H411- Miscellaneous :
LE50 / 72h / Pseudokirchneriella subcapita = 11 mg/l
LE50 / 48h / Daphnia magna = ≥3 ≤10 mg/l
DSEO-R(NOELR) / 72h / Pseudokirchneriella subcapita = 2.5 mg/l
LL50 / 96h / Oncorhynchus mykiss = ≥2 ≤5 mg/l
LD50 / Ingestion / Rat = > 5000 mg/kg
LD50 / Skin contact / Rabbit = >2000 mg/kg
LC50 / Inhalation (vapours) / Rat = >4688 mg/m3Additional phrase(s)
EUH 066 - Repeated exposure may cause skin dryness or cracking.
• solvant naphta aromatique lourd<ul style="list-style-type: none">- CE nr: 918-811-1 - CAS nr: .64742-94-5- REACH registration number : 01-2119463583-34-xxx- Conc. (weight %) : 5 < C ≤ 10- GHS (Globally Harmonized System)* GHS07 - Exclamation mark - Warning - STOT SE 3 - H336 * GHS08 - Health hazard - Danger - Asp. Tox. 1 - H304* GHS09 - Environment - Aquatic. Chronic 2 - H411
• 2-ethyl hexyl nitrate<ul style="list-style-type: none">- CE nr: 248-363-6 - CAS nr: 27247-96-7- REACH registration number : 01-2119539586-27- Conc. (weight %) : 1 < C ≤ 5 |
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- GHS (Globally Harmonized System)
- * GHS07 - Exclamation mark - Warning - Acute Tox. 4 - H302 - H312 - H332
- * GHS09 - Environment - Aquatic. Chronic 2 - H411
- Miscellaneous :
- LD50 / Ingestion / Rat = >10000 mg/kg
- LD50 / Dermal / Rabbit = >5000 mg/kg

- COPOLYMER (Poly succinimide)
- Conc. (weight %) : $1 < C \leq 5$
- GHS (Globally Harmonized System)
- * GHS07 - Exclamation mark - Warning - Acute Tox. 4 - H302 - H312 - Skin Sens. 1 - H317

- Solvent light aromatic naphtha (petroleum) with low content benzene (<0.1%)
- CE nr: 265-199-0 - CAS nr: 064742-95-6
- Conc. (weight %) : $1 < C \leq 5$
- GHS (Globally Harmonized System)
- * GHS02 - Flame - Warning - Flam. Liq. 3 - H226
- * GHS07 - Exclamation mark - Warning - STOT SE 3 - H336 - H335 * GHS08 - Health hazard - Danger - Asp. Tox. 1 - H304
- * GHS09 - Environment - Warning - Aquatic. Chronic 1 - H410

- naphthalene
- Id nr: 601-052-00-2 - CE nr: 202-049-5 - CAS nr: 91-20-3
- Conc. (weight %) : $0 < C \leq 0.9$
- GHS (Globally Harmonized System)
- * GHS07 - Exclamation mark - Warning - Acute Tox. 4 - H302 * GHS08 - Health hazard - Carc. 2 - H351
- * GHS09 - Environment - Warning - Aquatic. Chronic 1 - H410
- Miscellaneous :
- VME ppm = 10 - VME mg/m³ = 50 - VLE ppm = 15 - VLE mg/m³ = 79

- Methylcyclopentadienyl manganese tricarbonyl
- CAS nr: 12108-13-3
- Conc. (weight %) : $0 < C \leq 1$
- GHS (Globally Harmonized System)
- * GHS06 - Skull and crossbones - Danger - Acute Tox. 1 - H300 - H310 - H330
- * GHS09 - Environment - Warning - Aquatic Acute 1 - H400
- Miscellaneous :
- VME mg/m³ = 0.2

- mesitylene; 1,3,5-trimethylbenzene
- Id nr: 601-025-00-5 - CE nr: 203-604-4 - CAS nr: 108-67-8
- Conc. (weight %) : $0 < C \leq 1$
- GHS (Globally Harmonized System)
- * GHS02 - Flame - Warning - Flam. Liq. 3 - H226
- * GHS07 - Exclamation mark - Warning - STOT SE 3 - H335
- * GHS09 - Environment - Aquatic. Chronic 2 - H411
- (STOT SE 3; H335; C \geq 25%)
- Miscellaneous :
- VME ppm = 20 - VME mg/m³ = 100

- o-xylene [1]; p-xylene [2]; m-xylene [3]; xylene [4]
- Id nr: 601-022-00-9 - CE nr: 215-535-7 - CAS nr: 1330-20-7
- Conc. (weight %) : $0 < C \leq 1$
- GHS (Globally Harmonized System)
- * GHS02 - Flame - Warning - Flam. Liq. 3 - H226
- * GHS07 - Exclamation mark - Warning - Acute Tox. 4 - H312 - H332 - Skin Irrit. 2 - H315
- (*)
- Miscellaneous :
- VME ppm = 50 - VME mg/m³ = 221 - VLE ppm = 100 - VLE mg/m³ = 442

- 1,2,4-trimethylbenzene

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- Id nr: 601-043-00-3 - CE nr: 202-436-9 - CAS nr: 95-63-6
- Conc. (weight %) : $0 < C \leq 1$
- GHS (Globally Harmonized System)
* GHS02 - Flame - Warning - Flam. Liq. 3 - H226
* GHS07 - Exclamation mark - Warning - Acute Tox. 4 - H332 - STOT SE 3 - H335 - Skin Irrit. 2 - H315 - Irr. oc. 2 - H319
* GHS09 - Environment - Aquatic. Chronic 2 - H411
- Miscellaneous :
VME ppm = 20 - VME mg/m³ = 100

The wording of the sentences are mentioned at heading 16.

4. FIRST AID MEASURES

4. 1. Description of first aid measures:

4. 1. 1. General advice: Never give anything by mouth to an unconscious person.
In all cases of doubt, or when symptoms persist, seek medical attention.
For symptom description, see item 11.
4. 1. 2. Inhalation: - Take victim to fresh air, in a quiet place, in an half laying position and if necessary take medical advice.
- Artificial respiration and/or oxygen if necessary.
4. 1. 3. Skin contact: - Take off immediately all contaminated clothing.
- Wash off with soap and plenty of water.
- If skin irritation persists, take medical advice.
4. 1. 4. Eye contact: Rinse immediately with plenty of water, also under eyelids, taking contact lenses off. If eye irritation persists, take medical advice.
4. 1. 5. Ingestion: - Do NOT induce vomiting.
- Rinse mouth, do not drink anything, keep quiet, and go immediately to hospital or to a doctor.

4. 2. Most important symptoms and effects, both acute and delayed:

4. 2. 1. Inhalation: Irritating to the respiratory system, may cause throat pain and cough.
Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, breathing arrest.
4. 2. 2. Skin contact: Components of the product may be absorbed into the body through the skin.
Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis.
4. 2. 3. Eyes contact: mild eye irritation (pain, redness)
4. 2. 4. Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. (abdominal pain)

4. 3. Indication of any immediate medical attention and special treatment needed :

In all cases of doubt, or when symptoms persist, seek medical attention.

5. FIREFIGHTING MEASURES

5. 1. Extinguishing media: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂), water spray, sand, earth.
5. 2. Special hazards arising from the substance or mixture: In case of fire and/or explosion do not breathe fumes.
In case of fire, product decomposes in: toxic compounds, carbon oxides (CO and CO₂), nitrogen oxides (NO_x) and smokes.
Vapours are heavier than air and spread above ground.
Concerning product toxicity, see item 11 and about product stability and reactivity see item 10.
5. 3. Advice for firefighters: Use a self-contained breathing apparatus and also a protective suit.

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| 5. 4. Specific method(s): | Cool closed containers exposed to fire with water spray. |
| 5. 5. Extinguishing media which must NOT be used for safety reasons: | Do not use water jet. |

6. ACCIDENTAL RELEASE MEASURES

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| 6. 1. Personal precautions, protective equipment and emergency procedures: | Evacuate personnel to a safe area.
Avoid contact with skin, eyes, or clothing.
Ensure adequate ventilation.
Remove all sources of ignition. |
| 6. 2. Environmental precautions: | Prevent liquid from entering sewers, watercourses, underground or low areas. Relevant water authorities should be notified of any large spillage to water course or drain. |
| 6. 3. Methods and material for containment and cleaning up: | Soak up with absorbent material (for example sand, saw dust, neutral absorbent granule, silica gel).
Shovel into suitable and closed container for disposal.
Dispose as hazardous waste. |
| 6. 4. Reference to other sections: | Concerning disposal elimination after cleaning, see item 13.
Concerning personal protective equipment to use, see item 8. |

7. HANDLING AND STORAGE

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|--|---|
| 7. 1. Handling: | |
| 7. 1. 1. Precautions for safe handling: | Avoid all eyes and skin contact and do not breathe vapour and mist.
Do not eat, drink and do not smoke in areas where product is used.
Wear personal protective equipment (see item 8). |
| 7. 1. 2. Technical condition(s): | Maximum handling temperature: 50°C.
Provide for appropriate exhaust ventilation at places of vapours accumulation. |
| 7. 1. 3. Safe handling advice(s): | Opened containers must be carefully closed and kept upright to avoid leakage. |
| 7. 2. Storage: | |
| 7. 2. 1. Conditions for safe storage, including any incompatibilities: | Keep out of the reach of children. |
| 7. 2. 2. Storage condition(s): | Keep container tightly closed and at a temperature not exceeding (°C): 50°C
Keep away from sources of ignition - No smoking.
Keep container in a well ventilated place. |
| 7. 2. 3. Separation of incompatible product(s): | Keep away from strong acids, and oxidising compounds. |
| 7. 2. 4. Packaging / tank material: | made of the same material as the supply container. |
| 7. 3. Specific end use(s): | None reasonably foreseeable. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- | | |
|----------------------------------|---|
| 8. 1. Control parameters: | |
| 8. 1. 1. Exposure limit(s): | • naphthalene : VME ppm = 10 - VME mg/m³ = 50 - VLE ppm = 15 - VLE mg/m³ = 79 •
Methylcyclopentadienyl manganese tricarbonyl : VME mg/m³ = 0.2 • mesitylene; 1,3,5-trimethylbenzene : VME ppm = 20 - VME mg/m³ = 100 • o-xylene [1]; p-xylene [2]; m-xylene [3]; xylene [4] : VME ppm = 50 - VME mg/m³ = 221 - VLE ppm = 100 - VLE mg/m³ = 442 • 1,2,4-trimethylbenzene : VME ppm = 20 - VME mg/m³ = 100 |
| 8. 1. 2. Engineering measure(s): | Ensure adequate ventilation, especially in confined areas.
To protect against splashes from pouring. |

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8. 2. Exposure controls:

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| 8. 2. 1. Respiratory protection: | Not necessary with sufficient ventilation. |
| 8. 2. 2. Hand protection: | nitrile rubber gloves |
| 8. 2. 3. Skin and body protection: | Wear suitable protective clothing |
| 8. 2. 4. Eye protection: | Eye protection designed to protect against liquid splashes should be worn. |
8. 3. Hygiene measure(s): Do not eat, drink, or smoke during work.
Keep away from food, drink and animal feed.

9. PHYSICAL AND CHEMICAL PROPERTIES

9. 1. Information on basic physical and chemical properties:

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| 9. 1. 1. Appearance: | liquid |
| 9. 1. 2. Colour: | colourless / light yellow |
| 9. 1. 3. Odour: | characteristic, strong |
| 9. 1. 4. PH: | Not applicable. |
| 9. 1. 5. Boiling point/range: | 160°C (320 F) - 22 |
| 9. 1. 6. Flash point: | >61°C |
| 9. 1. 7. Explosion limits: | Explosive limits are unknown in literature. |
| 9. 1. 8. Relative density (water = 1): | 0.895 |
| 9. 1. 9. Viscosity: | Not determined. |

9. 2. Other information:

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|------------------------------|----------------------------------|
| 9. 2. 1. Water solubility: | insoluble |
| 9. 2. 2. Fat solubility: | completely soluble |
| 9. 2. 3. Solvent solubility: | soluble in most organic solvents |

10. STABILITY AND REACTIVITY

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| 10. 1. Reactivity: | No decomposition if stored normally. |
| 10. 2. Chemical stability: | Stable in use and storage conditions as recommended in item 7. |
| 10. 3. Possibility of hazardous reactions: | Not waited |
| 10. 4. Conditions to avoid: | Do not expose at temperatures above 50°C |
| 10. 5. Incompatible materials: | Reacts violently with:: strong acids and oxidising compounds. |
| 10. 6. Hazardous decomposition products: | Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide and nitrogen oxides (NOx). |

11. TOXICOLOGICAL INFORMATION

- | | |
|--|---|
| 11. 1. Information on toxicological effects: | No available information on preparation. |
| 11. 2. Acute toxicity: | |
| 11. 2. 1. Inhalation: | see item nr 3
- 2-ethyl hexyl nitrate
- Hydrocarbons C10, aromatics, <1% naphtalène (N° CE 918-911-1) :
- Distillats, naphéniques légers (pétrole), hydrotraités |

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|-------------------------|---|
| 11. 2. 2. Skin contact: | see item nr 3
- 2-ethyl hexyl nitrate
- Hydrocarbons C10, aromatics, <1% naphtalène (N° CE 918-911-1) :
- Distillats, naphéniques légers (pétrole), hydrotraités |
| 11. 2. 3. Eyes contact: | No data available. |
| 11. 2. 4. Ingestion: | see item nr 3
- 2-ethyl hexyl nitrate
- Hydrocarbons C10, aromatics, <1% naphtalène (N° CE 918-911-1) :
- Distillats, naphéniques légers (pétrole), hydrotraités |
| 11. 3. Sensitisation: | May cause sensitisation of susceptible persons by skin contact. |

12. ECOLOGICAL INFORMATION

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| 12. 1. Toxicity: | May be harmful to aquatic organisms, to flora, to soil organisms. |
| 12. 2. Persistence and degradability: | Product has only a limited biodegradability in soil and water. However the majority of the components of the new product are intrinsically biodegradable in the long term. |
| 12. 3. Bioaccumulative potential: | No data available. |
| 12. 4. Mobility in soil: | . |
| 12. 5. Results of PBT and vPvB assessment: | This product n' is not a substance PBT or vPvB, or n' in does not contain. |
| 12. 6. Other adverse effects: | No expected harmful effects. |
| 12. 6. 1. Toxicity to fish: | see item nr 3
- 2-ethyl hexyl nitrate
- Hydrocarbons C10, aromatics, <1% naphtalène (N° CE 918-911-1) :
- Distillats, naphéniques légers (pétrole), hydrotraités |

13. DISPOSAL CONSIDERATIONS

- | | |
|---------------------------------|---|
| 13. 1. Waste treatment methods: | Collect all waste in suitable and labelled containers and dispose according to local legislation.
Do not dispose of waste into sewer.
Can be incinerated according to local regulations. |
| 13. 2. Contaminated packaging: | This container is uitsluitend bedoeld only to this product.
Do not burn, or use a cutting torch on the empty drum.
Empty containers can be dumped according to local legislation.
Empty containers should be taken for recycle, recovery or waste in accordance with local regulation. |

14. TRANSPORT INFORMATION

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|--|------------------------------------|
| 14. 1. General information(s): | Transport followed ADR, IMDG, IATA |
| 14. 2. UN number: | 3082 |
| 14. 3. Land (Road / Railway: ADR/RID): | |
| 14. 3. 1. Transport hazard class(es): | 9 |
| 14. 3. 2. Packing group: | III |
| 14. 3. 3. ADR/RID-Labels: | 9 |
| 14. 3. 4. Code danger: | 90 |
| 14. 3. 5. Classification code: | M6 |
| 14. 3. 6. Packing instructions: | P001, IBC03, LP01, R001 |
| 14. 4. Sea (IMDG): | |
| 14. 4. 1. Class: | 9 |

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14. 4. 2. Packaging group:	III
14. 4. 3. IMDG-Label(s):	9
14. 5. Air (ICAO/IATA):	
14. 5. 1. ICAO/IATA class:	9
14. 5. 2. Packing group:	III
14. 5. 3. ICAO/IATA-Labels:	9
14. 6. Environmental hazards:	yes
14. 7. Special precautions for user:	Concerning personal protective equipment to use, see item 8.
14. 8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

15. REGULATORY INFORMATION

15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture:	Payment 1907/2006 concerning ' recording, ' evaluation and ' authorization of chemical substances, as well as the restrictions applicable to these substances.... as modified.
15. 2. Chemical safety assessment:	Not applicable.

16. OTHER INFORMATION

16. 1. Text of the phrases listed in section 3:	H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects. H336 May cause drowsiness or dizziness. H304 May be fatal if swallowed and enters airways. H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. H410 Very toxic to aquatic life with long lasting effects. H226 Flammable liquid and vapour. H335 May cause respiratory irritation. H317 May cause an allergic skin reaction. H315 Causes skin irritation. H319 Causes serious eye irritation. H300 Fatal if swallowed. H310 Fatal in contact with skin. H330 Fatal if inhaled. H400 Very toxic to aquatic life.
16. 2. Important remarks:	Information in this safety data sheet is based on actual knowledge in our possession and our experience. It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. No liability will be accepted (except as otherwise provided by law) arising out of the use of information supplied in this data sheet.
16. 3. Restrictions:	This information relates to the specific material designated and may not be valid in combination with other product(s).
16. 4. History:	
16. 4. 1. First edition date:	29/07/2016
16. 4. 2. Version:	1
16. 5. Written by:	SELD