

# SAFETY DATA SHEET

## TC2 DIESEL

Version:5




Review date: 12/10/2019

RE EC/2016-918 - CLP 1272/2008

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

1. 1. Product identifier: TC2 DIESEL
1. 1. 1. Contains:
- Distillats naphténiq ues légers (pétrole), hydrotraités(<3%DMSO)
  - 2-ethyl hexyl nitrate
  - solvant naphta aromatique lourd
  - COPOLYMERE (Poly succinimide )
1. 1. 2. EC number: Not applicable.
1. 2. Relevant identified uses of the substance or mixture and uses advised against: Carburizing additive improving of Cetane index
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@seld-production.com
1. 4. Emergency telephone number: UK - National Poisons Information Service Phone: 44 / 191 22 5131
1. 5. Product code nr: MT012

### 2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture:
- \* Asp. Tox. 1 / GHS08 - H304 \*
  - \* Skin Sens. 1 / GHS07 - H317 \*
  - \* Acute Tox. 4 / GHS07 - H332 \*
  - \* Aquatic. Chronic 2 / GHS09 - H411 \*
2. 2. Label elements:
- 

Danger
2. 2. 1. Symbol(s) and signal word: .
2. 2. 2. Contains:
- Distillats naphténiq ues légers (pétrole), hydrotraités(<3%DMSO)
  - 2-ethyl hexyl nitrate
  - solvant naphta aromatique lourd
  - COPOLYMERE (Poly succinimide )
2. 2. 3. Hazard statement: 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.  
H332 Harmful if inhaled.
2. 2. 4. Prevention: P261 Avoid breathing dust / fume / gas / mist / vapours / spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.  
P273 Avoid release to the environment.  
P271 Use only outdoors or in a well-ventilated area.
2. 2. 5. Response: P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
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:  
P310a Immediately call a POISON CENTER / doctor.  
P331 Do NOT induce vomiting.  
P391 Collect spillage.  
P304 IF INHALED:

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	P340 Remove person to fresh air and keep comfortable for breathing. P312a Call a POISON CENTER / doctor if you feel unwell.
2. 2. 6. Storage:	P405 Store locked up.
2. 2. 7. 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.
2. 4. Other hazards:	React with strong acids and oxidising compounds.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:	<ul style="list-style-type: none"><li>• Distillats naphéniques légers (pétrole), hydrotraités (&lt;3%DMSO)<ul style="list-style-type: none"><li>- CE nr: 265-156-6 - CAS nr: .64742-53-6</li><li>- REACH registration number : 01-2119480375-34-0000</li><li>- Conc. (weight %) : Conc. (% pds) : % 60 &lt; C ≤ 70</li><li>- GHS (Globally Harmonized System)</li><li>* GHS08 * Tox. asp. 1 - H304</li><li>- Miscellaneous :</li><li>LD50 / Dermal / Rabbit = &gt;2000 mg/kg</li><li>LD50 / Oral / Rat = &gt;5000 mg/kg</li><li>LC50 / / Fish = &gt;100 mg/l</li><li>LC50 / 48h / Algae = &gt;100 mg/l</li></ul></li><li>• 2-ethyl hexyl nitrate<ul style="list-style-type: none"><li>- CE nr: 248-363-6 - CAS nr: 27247-96-7</li><li>- REACH registration number : 01-2119539586-27</li><li>- Conc. (weight %) : Conc. (% pds) : % 15 &lt; C ≤ 20</li><li>- GHS (Globally Harmonized System)</li><li>* GHS07 * Tox. aiguë 4 - H302 - H312 - H332</li><li>* GHS09 * Tox. aq. chron. 2 - H411</li><li>- Miscellaneous :</li><li>LD50 / Ingestion / Rat = &gt;10000 mg/kg</li><li>LD50 / Dermal / Rabbit = &gt;5000 mg/kg</li></ul></li><li>• solvant naphta aromatique lourd<ul style="list-style-type: none"><li>- CE nr: 918-811-1 - CAS nr: .64742-94-5</li><li>- REACH registration number : 01-2119463583-34-xxx</li><li>- Conc. (weight %) : Conc. (% pds) : % 1 &lt; C ≤ 5</li><li>- GHS (Globally Harmonized System)</li><li>* GHS07 * STOT un. 3 - H336 * STOT un. 3.</li><li>* GHS08 * Tox. asp. 1 - H304</li><li>* GHS09 * Tox. aq. chron. 2 - H411</li></ul></li><li>• COPOLYMERE (Poly succinimide )<ul style="list-style-type: none"><li>- Conc. (weight %) : Conc. (% pds) : % 1 &lt; C ≤ 5</li><li>- GHS (Globally Harmonized System)</li><li>* GHS07 * Tox. aiguë 4 - H302 - H312 * Sens. cut. 1 - H317</li></ul></li><li>• Solvent light aromatic naphtha (petroleum) with low content benzene (&lt;0.1%)<ul style="list-style-type: none"><li>- CE nr: 265-199-0 - CAS nr: 064742-95-6</li><li>- Conc. (weight %) : Conc. (% pds) : % 1 &lt; C ≤ 5</li><li>- GHS (Globally Harmonized System)</li><li>* GHS02 * Liq. infl. 3 - H226</li><li>* GHS07 * STOT un. 3. - H336 - H335</li><li>* GHS08 * Tox. asp. 1 - H304</li><li>* GHS09 * Tox. aq. chron. 1 - H410</li></ul></li><li>• mesitylene; 1,3,5-trimethylbenzene<ul style="list-style-type: none"><li>- Id nr: 601-025-00-5 - CE nr: 203-604-4 - CAS nr: 108-67-8</li><li>- Conc. (weight %) : Conc. (% pds) : % 0 &lt; C ≤ 1</li><li>- GHS (Globally Harmonized System)</li></ul></li></ul>
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\* GHS02 \* Liq. infl. 3 - H226  
\* GHS07 \* STOT un. 3 - H335  
\* GHS09 \* Tox. aq. chron. 2 - H411  
Remarks: (STOT SE 3; H335; C >= 25%)  
- Miscellaneous :  
Exposure limit values  
T.L.V. ppm = 20 - T.L.V. mg/m³ = 100

• naphthalene  
- Id nr: 601-052-00-2 - CE nr: 202-049-5 - CAS nr: 91-20-3  
- Conc. (weight %) : Conc. (% pds) : % 0 < C <= 1  
- GHS (Globally Harmonized System)  
\* GHS07 \* Tox. aiguë 4 - H302  
\* GHS08 \* Canc. 2 - H351  
\* GHS09 \* Tox. aq. chron. 1 - H410  
- Miscellaneous :  
Exposure limit values  
T.L.V. ppm = 10 - T.L.V. mg/m³ = 50 - S.T.E.L ppm = 15 - S.T.E.L mg/m³ = 79

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

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|--|--|
| 5. 1. Extinguishing media:   | dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ), 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.<br>In case of fire, product decomposes in:: toxic compounds, carbon oxides (CO and CO <sub>2</sub> ), nitrogen oxides (NO <sub>x</sub> ) and smokes.<br>Vapours are heavier than air and spread above ground.<br>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.   |
| 5. 4. Extinguishing media which must NOT be used for safety reasons: | Do not use water jet.  |

### 6. ACCIDENTAL RELEASE MEASURES

- |  |   |
|--|---|
| 6. 1. Personal precautions, protective equipment and emergency procedures: | Avoid contact with skin, eyes, or clothing.<br>Ensure adequate ventilation.<br>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).<br>Shovel into suitable and closed container for disposal.<br>Dispose as hazardous waste. (see item nr 13) |
| 6. 4. Reference to other sections:   | Concerning personal protective equipment to use, see item 8.<br>Concerning disposal elimination after cleaning, see item 13.  |

### 7. HANDLING AND STORAGE

- |  |   |
|--|---|
| 7. 1. Handling:  |   |
| 7. 1. 1. Precautions for safe handling:                                | Avoid all eyes and skin contact and do not breathe vapour and mist.<br>Do not eat, drink and do not smoke in areas where product is used.<br>Wear personal protective equipment (see item 8). |
| 7. 1. 2. Technical condition(s):                                       | Maximum handling temperature: 50°C.<br>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. Technical condition(s):                                       | Not flammable and waterproof underground retention basin.   |
| 7. 2. 3. Storage condition(s):   | Keep container in a well ventilated place. 50°C<br>Keep away from sources of ignition - No smoking.<br>Keep container in a well ventilated place.   |
| 7. 2. 4. Separation of incompatible product(s):                        | Keep away from: strong acids, and oxidising compounds.  |
| 7. 2. 5. Packaging / tank material:                                    | made of the same material as the supply container.  |
| 7. 2. 6. Unsuitable packaging materials:                               | - Avoid certain plastics which are soluble in product.<br>- rubbers   |
| 7. 3. Specific end use(s):   | None reasonably foreseeable.  |

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- |                             |  |
|-----------------------------|--|
| 8. 1. Control parameters:   |  |
| 8. 1. 1. Exposure limit(s): | • mesitylene; 1,3,5-trimethylbenzene :<br>T.L.V. ppm = 20 - T.L.V. mg/m <sup>3</sup> = 100 |

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• naphthalene :  
T.L.V. ppm = 10 - T.L.V. mg/m³ = 50 - S.T.E.L ppm = 15 - S.T.E.L mg/m³ = 79

8. 1. 2. Engineering measure(s): Ensure adequate ventilation, especially in confined areas.  
To protect against splashes from pouring.
8. 2. Exposure controls:
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: safety glasses
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:

9. 1. 1. Appearance: liquid
9. 1. 2. Colour: amber
9. 1. 3. Odour: characteristic, strong
9. 1. 4. PH: Not determined.
9. 1. 5. Boiling point/range: >185 °C
9. 1. 6. Flash point: > 62 °C
9. 1. 7. Explosion limits: 0.6 à 7%
9. 1. 8. Relative density (water = 1): 0.91
9. 1. 9. Viscosity: Not determined.
9. 2. Other information:
9. 2. 1. Water solubility: <0.10%
9. 2. 2. Fat solubility: completely miscible
9. 2. 3. Solvent solubility: soluble in most organic solvents  
Soluble in hydrocarbons

### 10. STABILITY AND REACTIVITY

10. 1. Reactivity: No decomposition if stored and applied as directed.
10. 2. Chemical stability: Stable in use and storage conditions as recommended in item 7.
10. 3. Possibility of hazardous reactions: When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, NxOy
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

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11. 1. Information on toxicological effects:

No available information on preparation.

11. 2. Acute toxicity:

11. 2. 1. Inhalation:

see item nr 3

- Hydrocarbons C10, aromatics, <1% naphtalène (N° CE 918-911-1) :

11. 2. 2. Skin contact:

see item nr 3

- Hydrocarbons C10, aromatics, <1% naphtalène (N° CE 918-911-1) :

- 2-ethyl hexyl nitrate

11. 2. 3. Eyes contact:

No data available.

11. 2. 4. Ingestion:

see item nr 3

Hydrocarbons C10, aromatics, <1% naphtalène (N° CE 918-911-1) :

- 2-ethyl hexyl nitrate

11. 3. Sensitisation:

No sensitisation responses were observed.

### 12. ECOLOGICAL INFORMATION

12. 1. Toxicity:

May be dangerous for environment.

12. 2. Persistence and degradability:

Product has only a limited biodegradability in soil and water.

12. 3. Bioaccumulative potential:

None bioaccumulation.

12. 4. Mobility in soil:

Product -- Likely to be distributed in the sediments and the solid phase of waste waters.  
Moderately volatile.

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

- Hydrocarbons C10, aromatics, <1% naphtalène (N° CE 918-911-1) :

### 13. DISPOSAL CONSIDERATIONS

13. 1. Waste treatment methods:

Do not dispose of waste into sewer.

13. 2. Contaminated packaging:

This container is uitsluitend bedoeld only to this product.  
Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.

### 14. TRANSPORT INFORMATION

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  
IBC003  
LP01  
R001

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### 14. 4. Sea (IMDG):

14. 4. 1. Class: 9

14. 4. 2. IMDG-Label(s): 9

### 14. 5. Air (ICAO/IATA):

14. 5. 1. ICAO/IATA class: 9

14. 6. Environmental hazards: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

14. 9. Further Information(s): LQ7

## 15. REGULATORY INFORMATION

15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture: Payment 1907/2006 concerning the recording, the evaluation and the authorization of chemical substances, as well as the restrictions applicable to these substances.... as modified.

15. 2. Chemical safety assessment: No data available.

## 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.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.  
H336 May cause drowsiness or dizziness.  
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.

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: 07/12/2005

16. 4. 2. Previous revision date: 7/06/2016

16. 4. 3. Review date: 12/10/2019

16. 4. 4. Version: 5

16. 5. Written by: SELD