SAFETY DATA SHEET

TC1 H

Version: 9 **Review date: 28/06/2023** **RE EC/2016-918 - CLP 1272/2008**

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

1. 1. Product identifier:

1. 1. 1. Preparation name:	TC1 H
1. 1. 2. Contains:	• Hydrocarbons, C10, aromatics, <1% naphthalene • Hydrocarbons, C10, aromatics, >1% naphtalène • vinyl acetate • 1,2,4-trimethylbenzene
1. 1. 3. UFI:	TEC0-T0DS-300W-4FQ0
1. 1. 4. Product code nr:	133 -
1. 2. Relevant identified uses of the substance or mixture and uses advised against:	Additives Diesel and Fuels for use at low temperatures
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 E-mail: contact@mecatech-performances.com
1. 4. Emergency telephone number:	UK - National Poisons Information Service Phone: 44 / 191 22 5131

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture:	* Asp. Tox. 1 / GHS08 - H304 * * STOT SE 3 / GHS07 - H336 * * Aquatic. Chronic 2 / GHS09 - H411 *
2. 2. Label elements:	 Danger
2. 2. 1. Symbol(s) and signal word:	.
2. 2. 2. Contains:	• Hydrocarbons, C10, aromatics, <1% naphthalene • Hydrocarbons, C10, aromatics, >1% naphtalène • vinyl acetate • 1,2,4-trimethylbenzene
2. 2. 3. Hazard statement:	H304 May be fatal if swallowed and enters airways. H411 Toxic to aquatic life with long lasting effects. H336 May cause drowsiness or dizziness.
2. 2. 4. Prevention:	P273 Avoid release to the environment. P261 Avoid breathing dust / fume / gas / mist / vapours / spray. P271 Use only outdoors or in a well-ventilated area.
2. 2. 5. Response:	P301 IF SWALLOWED: P310a Immediately call a POISON CENTER / doctor. P331 Do NOT induce vomiting. P391 Collect spillage. P304 IF INHALED: 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. P403 Store in a well-ventilated place. P233 Keep container tightly closed.
2. 2. 7. Disposal:	P501a Dispose of contents / container in accordance with local / regional / national / international regulation
2. 3. Other hazards:	React with strong acids and oxidising compounds.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:

• Hydrocarbons, C10, aromatics, <1% naphthalene
- CE nr: 918-811-1
- REACH registration number : 01-2119463583-34
- Conc. (weight %) :Conc. (% pds) : % 60 < C <= 70
- GHS (Globally Harmonized System)
* GHS07 * STOT un. 3. - H336
* GHS08 * Tox. asp. 1 - H304
* GHS09 * Tox. aq. chron. 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/m3
Additional phrase(s)
EUH 066 - Repeated exposure may cause skin dryness or cracking.

• 2-ethyl hexyl nitrate
- CE nr: 248-363-6 - CAS nr: 27247-96-7
- REACH registration number : 01-2119539586-27
- Conc. (weight %) :Conc. (% pds) : % 10 < C <= 15
- GHS (Globally Harmonized System)
* GHS07 * Tox. aiguë 4 - H302 - H312 - H332
* GHS09 * Tox. aq. chron. 2 - H411
- Miscellaneous :
LD50 / Ingestion / Rat = >10000 mg/kg
LD50 / Dermal / Rabbit = >5000 mg/kg

• Hydrocarbons, C10, aromatics, >1% naphtalène
- CE nr: 919-284-0
- REACH registration number : 01-2119463588-24
- Conc. (weight %) :Conc. (% pds) : % 1 < C <= 5
- GHS (Globally Harmonized System)
* GHS07 * STOT un. 3. - H336
* GHS08 * Tox. asp. 1 - H304 * Canc. 2 - H351
* GHS09 * Tox. aq. chron. 2 - H411
- Miscellaneous :
LE50 / 48h / Daphnia magna = >3<=10 mg/l
LE50 / 72h / Pseudokirchneriella subcapita = 11 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 / Dermal / Rabbit = >2000 mg/kg
LC50 / Inhalation (vapours) / Rat = >4688 mg/m3
Additional phrase(s)
EUH 066 - Repeated exposure may cause skin dryness or cracking.

• Polyisobutylene Succinimide
- CE nr: 617-593-2 - CAS nr: 84605-20-9
- Conc. (weight %) :Conc. (% pds) : % 1 < C <= 5
- GHS (Globally Harmonized System)
* GHS07 * Sens. cut. 1 - H317 * Irr. cut. 2 - H315

• Ethyl-2-hexanol
- CAS nr: 104-76-7
- Conc. (weight %) :Conc. (% pds) : % 1 < C <= 5
- GHS (Globally Harmonized System)
* GHS07 * Irr. cut. 2 - H315 * Irr. oc. 2 - H319 * Irr. oc. 2A

• naphthalene
- Id nr: 601-052-00-2 - CE nr: 202-049-5 - CAS nr: 91-20-3
- Conc. (weight %) :Conc. (% pds) : % 1 < C <= 5
- GHS (Globally Harmonized System)
* GHS07 * Tox. aiguë 4 - H302
* GHS08 * Canc. 2 - H351
* GHS09 * Tox. aq. chron. 1 - H410
- Miscellaneous :

Exposure limit values
S.T.E.L. 8h00 ppm = 10 - S.T.E.L. 8h00 mg/m³ = 50 - T.L.V. ppm = 15 - T.L.V. mg/m³ = 79

• COPOLYMERE (Poly succinimide)
- Conc. (weight %) :Conc. (% pds) : % 0 < C <= 1
- GHS (Globally Harmonized System)
* GHS07 * Tox. aiguë 4 - H302 - H312 * Sens. cut. 1 - H317

• vinyl acetate
- Id nr: 607-023-00-0 - CE nr: 203-545-4 - CAS nr: 108-05-4
- Conc. (weight %) :Conc. (% pds) : % 0 < C <= 1
- GHS (Globally Harmonized System)
* GHS02 * Liq. infl. 2 - H225
* GHS07 * Tox. aiguë 4 - H332 * STOT un. 3 - H335
* GHS08 * Canc. 2 - H351
- Miscellaneous :
Exposure limit values
S.T.E.L. 8h00 ppm = 5 - S.T.E.L. 8h00 mg/m³ = 17.6 - T.L.V. ppm = 10 - T.L.V. mg/m³ = 35.2

• 1,2,4-trimethylbenzene
- Id nr: 601-043-00-3 - CE nr: 202-436-9 - CAS nr: 95-63-6
- Conc. (weight %) :Conc. (% pds) : % 0 < C <= 1
- GHS (Globally Harmonized System)
* GHS02 * Liq. infl. 3 - H226
* GHS07 * Tox. aiguë 4 - H332 * STOT un. 3 - H335 * Irr. cut. 2 - H315 * Irr. oc. 2 - H319
* GHS09 * Tox. aq. chron. 2 - H411
- Miscellaneous :
Exposure limit values
S.T.E.L. 8h00 ppm = 20 - S.T.E.L. 8h00 mg/m³ = 100

• 1,2,3-trimethylbenzene
- CE nr: 208-394-8 - CAS nr: 526-73-8
- Conc. (weight %) :Conc. (% pds) : % 0 < C <= 1
- GHS (Globally Harmonized System)
* GHS02 * Liq. infl. 3 - H226
* GHS07 * STOT un. 3 - H335 * Irr. cut. 2 - H315 * Irr. oc. 2A - H319
- Miscellaneous :
Exposure limit values
S.T.E.L. 8h00 ppm = 20 - S.T.E.L. 8h00 mg/m³ = 100

• Cumene
- Id nr: 601-024-00-X - CE nr: 202-704-5 - CAS nr: 98-82-8
- Conc. (weight %) :Conc. (% pds) : % 0 < C <= 1
- GHS (Globally Harmonized System)
* GHS07 * STOT un. 3 - H335 * STOT un. 3.
* GHS08 * Tox. asp. 1 - H304 * Canc. 1B - H350
* GHS09 * Tox. aq. chron. 2 - H411
- Miscellaneous :
Exposure limit values
S.T.E.L. 8h00 ppm = 20 - S.T.E.L. 8h00 mg/m³ = 100 - T.L.V. ppm = 50 - T.L.V. mg/m³ = 250

• mesitylene; 1,3,5-trimethylbenzene
- Id nr: 601-025-00-5 - CE nr: 203-604-4 - CAS nr: 108-67-8
- Conc. (weight %) :Conc. (% pds) : % 0 < C <= 1
- GHS (Globally Harmonized System)
* 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
S.T.E.L. 8h00 ppm = 20 - S.T.E.L. 8h00 mg/m³ = 100 - T.L.V. ppm = 50 - T.L.V. mg/m³ = 250

• 2-allyphénol
- CE nr: 217-119-0 - CAS nr: 1745-81--*
- REACH registration number : 01-2120746241-63
- Conc. (weight %) :Conc. (% pds) : % 0 < C <= 1
- GHS (Globally Harmonized System)
* GHS06 * Tox. aiguë 2 - H301 * Tox. aiguë 3 - H311

* GHS05 * Corr. cut. 1A - H314 * Corr. cut. 1B * Corr. cut. 1C
* GHS09 * Tox. aq. chron. 2 - H411

• 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 %) :Conc. (% pds) : % 0 < C <= 1
- GHS (Globally Harmonized System)
* GHS02 * Liq. infl. 3 - H226
* GHS07 * Tox. aiguë 4 - H312 - H332 * Irr. cut. 2 - H315
Remarks:((*))
- Miscellaneous :
Exposure limit values
S.T.E.L. 8h00 ppm = 50 - S.T.E.L. 8h00 mg/m³ = 221 - T.L.V. ppm = 100 - T.L.V. mg/m³ = 442

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:	Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, breathing arrest.
4. 2. 2. Skin contact:	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.
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 (NOx) 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.
5. 4. Specific method(s):	Cool containers / tanks with spray water if possible.
5. 5. 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. 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, sawdust, neutral absorbent granule, silica gel). Shovel into suitable and closed container for disposal.
6. 4. Reference to other sections:	Concerning personal protective equipment to use, see item 8. 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. 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):	Do not use compressed air to fill, handle or work up. Never mix with other materials. Maximum handling temperature: 50°C. Provide for appropriate exhaust ventilation at places of vapours accumulation. Ventilation along floor.
7. 1. 3. Safe handling advice(s):	Opened containers must be carrefully closed and kept uprigth to avoid leakage.

7. 2. Storage:

7. 2. 1. Conditions for safe storage, including any incompatibilities:	Store in a place accessible by authorised persons only.
7. 2. 2. Technical condition(s):	Not flammable and waterproof underground retention basin.
7. 2. 3. 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. 4. Separation of incompatible product(s):	Keep away from: strong acids, and oxidising compounds.
7. 2. 5. Packaging / tank material:	stainless steel, mild steel.
7. 2. 6. Unsuitable packaging materials:	- Avoid certain plastics which are soluble in product. - rubbers
7. 3. Specific end use(s):	None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8. 1. Control parameters:

8. 1. 1. Exposure limit(s):

• naphthalene :
S.T.E.L. 8h00 ppm = 10 - S.T.E.L. 8h00 mg/m³ = 50 - T.L.V. ppm = 15 - T.L.V. mg/m³ = 79
• vinyl acetate :
S.T.E.L. 8h00 ppm = 5 - S.T.E.L. 8h00 mg/m³ = 17.6 - T.L.V. ppm = 10 - T.L.V. mg/m³ = 35.2
• 1,2,4-trimethylbenzene :
S.T.E.L. 8h00 ppm = 20 - S.T.E.L. 8h00 mg/m³ = 100
• 1,2,3-trimethylbenzene :
S.T.E.L. 8h00 ppm = 20 - S.T.E.L. 8h00 mg/m³ = 100
• Cumene :
S.T.E.L. 8h00 ppm = 20 - S.T.E.L. 8h00 mg/m³ = 100 - T.L.V. ppm = 50 - T.L.V. mg/m³ = 250
• mesitylene; 1,3,5-trimethylbenzene :
S.T.E.L. 8h00 ppm = 20 - S.T.E.L. 8h00 mg/m³ = 100 - T.L.V. ppm = 50 - T.L.V. mg/m³ = 250
• o-xylene [1]; p-xylene [2]; m-xylene [3]; xylene [4] :
S.T.E.L. 8h00 ppm = 50 - S.T.E.L. 8h00 mg/m³ = 221 - T.L.V. ppm = 100 - T.L.V. mg/m³ = 442

8. 2. Exposure controls:

8. 2. 1. Appropriate engineering controls:	Ensure adequate ventilation, especially in confined areas. To protect against splashes from pouring.
8. 2. 2. Eye protection:	safety glasses
8. 2. 3. Respiratory protection:	Not necessary with sufficient ventilation.
8. 2. 4. Hand protection:	nitrile rubber gloves
8. 2. 5. Skin and body protection:	Wear suitable protective clothing
8. 3. Environmental exposure controls:	No data available.
8. 4. 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. Physical state:	liquid
9. 1. 2. Colour:	dark brown
9. 1. 3. Odour:	characteristic
9. 1. 4. Melting point / freezing point:	No data available.
9. 1. 5. Boiling point or initial boiling point and boiling range:	>185 °C
9. 1. 6. Flammability:	No data available.
9. 1. 7. Lower and upper explosion limit:	0.6 a 7%
9. 1. 8. Flash point:	> 62 °C
9. 1. 9. Auto-ignition temperature:	No data available.
9. 1. 10. Decomposition temperature:	No data available.
9. 1. 11. PH:	Not applicable.
9. 1. 12. Solubility:	No data available.
9. 1. 13. Water solubility:	<0.10%
9. 1. 14. Fat solubility:	completely miscible
9. 1. 15. Solvent solubility:	soluble in most organic solvents
9. 1. 16. Partition coefficient n-octanol/water (log value):	No data available.
9. 1. 17. Vapour pressure:	No data available.
9. 1. 18. Relative vapour density:	No data available.
9. 1. 19. Density and/or relative density:	0.9142
9. 1. 20. Particle characteristics:	No data available.
9. 1. 21. Kinematic viscosity:	Not applicable.

9. 2. Other information:

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:	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 hazard classes as defined in Regulation (EC) No 1272/2008:

11. 1. 1. General information(s):	No available information on preparation.
11. 1. 2. Inhalation:	see item nr 3
11. 1. 3. Skin contact:	see item nr 3
11. 1. 4. Eyes contact:	see item nr 3
11. 1. 5. Ingestion:	see item nr 3
11. 2. Information on other hazards:	No data available.

12. ECOLOGICAL INFORMATION

12. 1. Toxicity:	May cause long-term adverse effects in the aquatic environment.
12. 2. Persistence and degradability:	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:	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. Endocrine disrupting properties:	No data available.
12. 7. Other adverse effects:	No expected harmful effects.
12. 7. 1. Toxicity to fish:	Hydrocarbons C10, aromatics, <1% naphtalène (N° CE 918-911-1) : EL50 48 heures. Daphnia >=3-<=10 mg/l LC50/96h/trout = <=2-<=5 mg/l (Pseudokirchneriella subcapitata - QSAR Petrotox) LE50 = 11 mg/l

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.
13. 2. Contaminated packaging:	This container is uitsluitend bedoeld only to this product. Empty containers can be dumped according to local legislation.

14. TRANSPORT INFORMATION

14. 1. General information(s):	Transport followed ADR, IMDG, IATA
14. 2. UN number or ID 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
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, EHS
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. Maritime transport in bulk according to IMO instruments:	Not applicable.

15. REGULATORY INFORMATION

15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture:	Payment 1907/2006 concerning l' recording, l' evaluation and l' authorization of chemical substances, as well as the restrictions applicable to these substances…. as modified. European rules 2020/878
15. 2. Chemical safety assessment:	No data available.

16. OTHER INFORMATION

16. 1. Text of the phrases listed in section 3:	H336 May cause drowsiness or dizziness. H304 May be fatal if swallowed and enters airways. H411 Toxic to aquatic life with long lasting effects. H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routs of exposure cause the hazard>. H410 Very toxic to aquatic life with long lasting effects. H225 Highly flammable liquid and vapour. H335 May cause respiratory irritation. H226 Flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H301 Toxic if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H350 May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
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:	15/10/2002
16. 4. 2. Previous revision date:	13/12/2021
16. 4. 3. Review date:	28/06/2023

16. 4. 4. Version:	9
16. 5. Written by:	SELD