

SAFETY DATA SHEET

TCD atelier

Version: 3

Review date: 9/02/2011

RE EC/453/2010 - ISO 11014-1

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

Product identifier: TCD atelier

Relevant identified uses of the substance or mixture and uses advised against: Mix carburizing for the cleaning of the systems of injection of the engines gasoline

Product code nr: MT501

Details of the supplier of the safety data sheet: SELD
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F-69720 SAINT BONNET DE MURE
France
Phone: +33(0)4 37 25 16 16
Fax: +33(0)4 78 21 80 70
Courriel: contact@mecatech-performances.com



Emergency telephone number: UK - National Poisons Information Service Phone: 44 / 191 22 5131
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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture: Flammable.
Irritating to skin.
Harmful: may cause lung damage if sw allow ed.
Repeated exposure may cause skin dryness or cracking
Vapours may cause drow siness and dizziness
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EC number: Not applicable.

Label elements:

- Symbol(s): Xi - Irritant ; N - Dangerous for the environment

- R-phrase(s): 10 Flammable.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if sw allow ed.
66 Repeated exposure may cause skin dryness or cracking
67 Vapours may cause drow siness and dizziness

- S-phrase(s): 2 Keep out of the reach of children.
29 Do not empty into drains.
46 If sw allow ed, seek medical advice immediately and show this container or label.
59 Refer to manufacturer/supplier for information on recovery/recycling.
61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Most important hazards: Vapour / air mixture is flammable.

Other hazards: Repeated and prolonged exposure may cause skin irritation and dermatitis due to degreasing properties of the product.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s) contributing to the hazard: • hexane, mixture of isomers (containing < 5 % n-hexane (203-777-6)) - Id nr: 601-007-00-7
Conc. (w eight %): 40 < C <= 50 - Classification: • F; R 11 • Xn; R 65 • Xi; R 38 • R 67 • N; R 51-53 •
SGH: SGH02 - Flam. Liq. 2 - Flame - Danger - H225 SGH07 - STOT SE 3 - Exclamation mark - Warning - H335*H336 - SGH08 - Asp. Tox. 1 - Health hazard - Danger - H304 - Skin Irrit. 2 -

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H315 - Aquatic Acute 2 - No symbol - No signal word - SGH09 - Aquatic. Chronic 1 - Environment - Warning - H410

- 1,2,4-trimethylbenzene - Id nr: 601-043-00-3 - CE nr: 202-436-9 - CAS nr: 95-63-6
Conc. (weight %): $1 < C \leq 5$ - Classification: • R 10 • Xn; R 20 • Xi; R 36/37/38 • N; R 51-53 •
SGH: SGH02 - Flam. Liq. 3 - Flame - Warning - H226 SGH06 - Acute Tox. 3 - Skull and crossbones - Danger - H331 - SGH07 - STOT SE 3 - Exclamation mark - Warning - H335*H336 - Skin Irrit. 2 - H315 - Irr. oc. 2A - H319 - Irr. oc. 2B - No symbol - Aquatic Acute 2 - No symbol - No signal word - SGH09 - Aquatic. Chronic 1 - Environment - Warning - H410
- Solvent light aromatic naphtha (petroleum) with low content benzene (<0.1%) - CE nr: 265-199-0 - CAS nr: 064742-95-6
Conc. (weight %): $0 < C \leq 1$ - Symbol(s): Xn N - R-phrase(s): 10-37-51/53-65-66-67
SGH: SGH07 - STOT SE 3 - Exclamation mark - Warning - H335*H336 - SGH08 - Asp. Tox. 1 - Health hazard - Danger - H304 - Aquatic Acute 2 - No symbol - No signal word - SGH09 - Aquatic. Chronic 1 - Environment - Warning - H410
- solvant naphta aromatique lourd - CAS nr: .64742-94-5
Conc. (weight %): $30 < C \leq 40$ - Symbol(s): Xn N - R-phrase(s): 51/53-65-66-67
SGH: SGH07 - STOT SE 3 - Exclamation mark - Warning - H335*H336 - SGH08 - Asp. Tox. 1 - Health hazard - Danger - H304 - Aquatic Acute 2 - No symbol - No signal word - SGH09 - Aquatic. Chronic 1 - Environment - Warning - H410
- mesitylene; 1,3,5-trimethylbenzene - Id nr: 601-025-00-5 - CE nr: 203-604-4 - CAS nr: 108-67-8
Conc. (weight %): $0 < C \leq 1$ - Classification: • R 10 • Xi; R 37 • N; R 51-53 •
SGH: SGH02 - Flam. Liq. 3 - Flame - Warning - H226 SGH07 - STOT SE 3 - Exclamation mark - Warning - H335*H336 - Aquatic Acute 2 - No symbol - No signal word - SGH09 - Aquatic. Chronic 1 - Environment - Warning - H410
- naphthalene - Id nr: 601-052-00-2 - CE nr: 202-049-5 - CAS nr: 91-20-3
Conc. (weight %): $0 < C \leq 1$ - Classification: • Carc. Cat. 3; R 40 • Xn; R 22 • N; R 50-53 •
SGH: SGH06 - Acute Tox. 3 - Skull and crossbones - Danger - H301 - SGH08 - Carc. 2 - Health hazard - Warning - H351 SGH09 - Aquatic Acute 1 - Environment - Warning - H400 - Aquatic. Chronic 1 - H410

4. FIRST AID MEASURES

Description of first aid measures:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed:	No data available.
- 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.
- Skin contact:	- Take off immediately all contaminated clothing. - Wash off with soap and plenty of water. - If skin irritation persists, take medical advice.
- Eye contact:	Rinse immediately with plenty of water, also under eyelids, taking contact lenses off. If eye irritation persists, take medical advice.
- Ingestion:	- Do not induce vomiting. - Rinse mouth, do not drink anything, keep quiet, and go immediately to hospital or to a doctor.

5. FIREFIGHTING MEASURES

Extinguishing media:	dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂), water spray, sand, earth.
Extinguishing media which must NOT be used for safety reasons:	Do not use water jet.
Special hazards arising from the substance or mixture:	Vapours are heavier than air and spread above ground. Explosion risks of vapours.

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Advice for firefighters: Use a self-contained breathing apparatus and also a protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Remove all sources of ignition.
Ensure adequate ventilation.
Avoid contact with skin, eyes, or clothing.
Concerning personal protective equipment to use, see item 8.

Environmental precautions: Do not allow surface water to enter drains and sewers as this will create a potential explosive hazard. If this occurs inform local authorities immediately.
Do not allow material to contaminate ground water system.

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.
Consult an expert on disposal of recovered material. Flush contaminated areas with plenty of water.

Reference to other sections: Concerning disposal elimination after cleaning, see item 13.

7. HANDLING AND STORAGE

Handling:

- Precautions for safe handling: Vapours may form flammable mixture with air.
Do not eat, drink and do not smoke in areas where product is used.

- Technical condition(s): Provide for appropriate exhaust ventilation at places of vapours accumulation.
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
Prevent build-up of electrostatic charges (e.g., by grounding).

Storage:

- Conditions for safe storage, including any incompatibilities: Store in a place accessible by authorised persons only.
Keep out of the reach of children.

- Storage condition(s): Keep container tightly closed and at a temperature not exceeding (°C): 40 °C
Keep away from sources of ignition - No smoking.
Store in a well-ventilated place.

- Separation of incompatible product(s): Keep away from: strong acids, strong bases and oxidising compounds.

- Packaging / tank material: made of the same material as the supply container.

Specific end use(s): None under normal use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

- Exposure limit(s):

- hexane, mixture of isomers (containing < 5 % n-hexane (203-777-6)): VME ppm = 500 - VME mg/m³ = 1760 - VLE ppm = 1000 - VLE mg/m³ = 3500
- 1,2,4-trimethylbenzene: VME ppm = 20 - VME mg/m³ = 100
- mesitylene; 1,3,5-trimethylbenzene: VME ppm = 20 - VME mg/m³ = 100
- naphthalene: VME ppm = 10 - VME mg/m³ = 50 - VLE ppm = 15 - VLE mg/m³ = 79

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- Engineering measure(s): Ensure adequate ventilation, especially in confined areas.

Exposure controls:

- Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

- Hand protection: nitrile rubber gloves

- Skin and body protection: Wear suitable protective clothing

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- Eye protection: safety glasses

Hygiene measure(s): Do not eat, drink, or smoke during work.
Keep away from food, drink and animal feed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

- Appearance: liquid

- Colour: colourless

- Odour: characteristic

- PH: Not applicable.

- Flash point: 21 °C

- Explosion limits: 0.6 à 7% en volume

- Relative density (water = 1): 0.8570

Other information:

- Water solubility: insoluble

- Fat solubility: completely miscible

- Solvent solubility: soluble in some specific organic solvents

10. STABILITY AND REACTIVITY

Reactivity: Stable in use and storage conditions as recommended in item 7.

Chemical stability: Stable in use and storage conditions as recommended in item 7.

Possibility of hazardous reactions: Stable in use and storage conditions as recommended in item 7.

Conditions to avoid: Do not expose at temperatures above 40 °C

Incompatible materials: No data available.

Hazardous decomposition products: Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects: No available information on preparation.

Acute toxicity:

- Inhalation: Irritating to the respiratory system, may cause throat pain and cough.
Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, breathing arrest.

- 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.

- Eyes contact: mild eye irritation (pain, redness)

- Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Susceptible to induce: oedema of the lungs, heavy breathing difficulty,

Sensitisation: May cause sensitisation by inhalation.

12. ECOLOGICAL INFORMATION

Toxicity: May be harmful to aquatic organisms, to flora, to soil organisms.

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Persistence and degradability:	Not readily biodegradable.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Other adverse effects:	No data available.
Results of PBT and vPvB assessment:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:	Collect all waste in suitable and labelled containers and dispose according to local legislation. Do not dispose of waste into sewer.
Contaminated packaging:	Empty containers can be dumped according to local legislation.

14. TRANSPORT INFORMATION

General information(s):	Transport followed ADR, IMDG, IATA
UN number:	3082
Land (Road / Railway: ADR/RID):	
- Transport hazard class(es):	9
- Packing group:	III
- ADR/RID-Labels:	9
- Code danger:	90
- Classification code:	M6
Sea (IMDG):	
Air (ICAO/IATA):	
Environmental hazards:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Special precautions for user:	Concerning personal protective equipment to use, see item 8.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:	.
Chemical safety assessment:	No data available.

16. OTHER INFORMATION

Text of R phrases listed in section 3:	R11 Highly flammable. R38 Irritating to skin. R65 Harmful: may cause lung damage if swallowed. R67 Vapours may cause drowsiness and dizziness R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R10 Flammable. R20 Harmful by inhalation. R36/37/38 Irritating to eyes, respiratory system and skin. R37 Irritating to respiratory system. R66 Repeated exposure may cause skin dryness or cracking R22 Harmful if swallowed. R40 Limited evidence of a carcinogenic effect. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic
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environment.
H225 Highly flammable liquid and vapour.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H410 Very toxic to aquatic life with long lasting effects.
H226 Flammable liquid and vapour.
H331 Toxic if inhaled.
H319 Causes serious eye irritation.
H301 Toxic if swallowed.
H351 Suspected of causing cancer
H400 Very toxic to aquatic life.

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.

Restrictions:

This information relates to the specific material designated and may not be valid in combination with other product(s).

History:

- First edition date: 13/06/2007
- Previous revision date: 29/04/2010
- Review date: 9/02/2011
- Version: 3
Written by: SELD