Issue date: 07.04.2022 Version 2 Last Revision: 29.07.2015

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

· 1.1 Product identifier

- · Product name: TerraDiesel Multi-function Fuel Treatment
 - Part number: 201251, 201253, 201254, 201250
 - · Application of the substance / the mixture Diesel fuel additive

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: CPS Product Inc. - USA

1010 East 31st Street Hialeah, FL 33013 USA Phone: (305) 687 - 4121 cs@cpsproducts.com

- email of person responsible: cs@cpsproducts.com
- 1.4 Emergency telephone number: CHEMTREC International +1 (703) 527-3887 24 hr

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Lig. 3 H226 Flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation. Muta. 1B H340 May cause genetic defects.

Carc. 1B H350 May cause cancer.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms







GHS02 GHS07 GHS08

· Signal word Danger

· Hazard-determining components of labelling:

Distillates (petroleum), hydrotreated light Solvent naphtha (petroleum), light arom. Solvent naphtha (petroleum), heavy arom. ethylbenzene

· Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H340 May cause genetic defects.

(Contd. on page 2)

Issue date: 07.04.2022 Version 2 Last Revision: 29.07.2015

Product name: TerraDiesel Multi-function Fuel Treatment

(Contd. of page 1)

H350 May cause cancer.

H304 May be fatal if swallowed and enters airways. H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents in accordance with local regulations.

· Additional information:

Restricted to professional users.

· 2.3 Other hazards

PBT: Not applicable.vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

| · Chemical compon | ents: | |
|-------------------|---|-----------|
| CAS: 64742-47-8 | Distillates (petroleum), hydrotreated light | 25-50% |
| EINECS: 265-149-8 | Flam. Liq. 3, H226; Asp. Tox. 1, H304 | |
| CAS: 111-76-2 | 2-butoxyethanol | 10-<25% |
| EINECS: 203-905-0 | Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 | |
| CAS: 27247-96-7 | 2-ethylhexyl nitrate | 10-<25% |
| EINECS: 248-363-6 | Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332 | |
| CAS: 64742-95-6 | Solvent naphtha (petroleum), light arom. | 2.5-<10% |
| EINECS: 265-199-0 | Flam. Liq. 3, H226; Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304; Acute Tox. 4, H332 | |
| CAS: 95-63-6 | 1,2,4-trimethylbenzene | 0.1-≤2.5% |
| EINECS: 202-436-9 | Flam. Liq. 3, H226; Aquatic Chronic 2, H411; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 | |
| CAS: 1330-20-7 | xylene | 0.1-≤2.5% |
| EINECS: 215-535-7 | Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315 | |
| CAS: 108-67-8 | mesitylene | 0.1-≤2.5% |
| EINECS: 203-604-4 | Flam. Liq. 3, H226; Aquatic Chronic 2, H411; STOT SE 3, H335 | |
| CAS: 91-20-3 | naphthalene | 0.1-≤2.5% |
| EINECS: 202-049-5 | Carc. 2, H351; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302 | |
| CAS: 100-41-4 | ethylbenzene | 0.1-≤2.5% |
| EINECS: 202-849-4 | Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332 | |

(Contd. on page 3)

Issue date: 07.04.2022 Version 2 Last Revision: 29.07.2015

Product name: TerraDiesel Multi-function Fuel Treatment

| | (0 | Contd. of page 2) |
|--|---|-------------------|
| CAS: 102-25-0 | 1,3,5-triethylbenzene | 0.1-≤2.5% |
| EINECS: 203-017-3 | Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | |
| CAS: 98-82-8 | cumene | 0.1-≤2.5% |
| EINECS: 202-704-5 | Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Acute Tox. 4, H302; STOT SE 3, H335 | |
| CAS: 64742-94-5 EINECS: 265-198-5 | Solvent naphtha (petroleum), heavy arom. | 2.5-<10% |
| | Asp. Tox. 1, H304 | |
| CAS: 178535-25-6 EC number: 700-371-5 | Benzene, ethylenated, residues, distn. lights | 0.1-<2.5% |
| | Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319 | |

[·] Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation continues, consult a doctor.

· After eye contact:

Rinse cautiously with water. Remove contact lenses, if present and easy to do. Get medical attention if eye irritation develops or persists.

· After swallowing: DO NOT INDUCE VOMITING. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Headache

Dizziness

Disorientation

Nausea

May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. Repeated exposure to this material can result in absorption through skin causing significant health hazard.

Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

4.3 Indication of any immediate medical attention and special treatment needed Medical supervision for at least 48 hours.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
 - · Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
 - · For safety reasons unsuitable extinguishing agents: Water
- **5.2 Special hazards arising from the substance or mixture** See section 10 for additional information. (Contd. on page 4)

Issue date: 07.04.2022 Version 2 Last Revision: 29.07.2015

Product name: TerraDiesel Multi-function Fuel Treatment

(Contd. of page 3)

5.3 Advice for firefighters

· Protective equipment:

Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots. Do not use a water jet.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

Take precautions to avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Keep respiratory protective device available.

· 7.2 Conditions for safe storage, including any incompatibilities

- · Storage:
 - · Requirements to be met by storerooms and receptacles:

See section 10 for incompatible materials.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· 7.3 Specific end use(s) No further relevant information available.

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Issue date: 07.04.2022 Version 2 Last Revision: 29.07.2015

Product name: TerraDiesel Multi-function Fuel Treatment

(Contd. of page 4)

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

| · Ingredients with limit values that require monitoring at the workplace: |
|---|
| 111-76-2 2-butoxyethanol (10-25%) |

WEL Short-term value: 246 mg/m³, 50 ppm Long-term value: 123 mg/m³, 25 ppm Sk, BMGV

95-63-6 1,2,4-trimethylbenzene (≤2.5%)

WEL Long-term value: 125 mg/m³, 25 ppm ILV

1330-20-7 xylene (0.1-≤2.%)

WEL Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV

108-67-8 mesitylene (0.25-<2.%)

WEL Long-term value: 125 mg/m³, 25 ppm

100-41-4 ethylbenzene (0.1-≤2.%)

WEL Short-term value: 552 mg/m³, 125 ppm Long-term value: 441 mg/m³, 100 ppm Sk

98-82-8 cumene (0.1-<0.2%)

WEL Short-term value: 250 mg/m³, 50 ppm Long-term value: 125 mg/m³, 25 ppm Sk

· Ingredients with biological limit values:

111-76-2 2-butoxyethanol (10-25%)

BMGV 240 mmol/mol creatinine Octanol-Water: urine 0.1: post shift

7.3: butoxyacetic acid

1330-20-7 xylene (0.1-≤2.%)

BMGV 650 mmol/mol creatinine

Octanol-Water: urine

0.1: post shift

7.3: methyl hippuric acid

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Store protective clothing separately.

Avoid contact with the eyes and skin.

(Contd. on page 6)

Issue date: 07.04.2022 Version 2 Last Revision: 29.07.2015

Product name: TerraDiesel Multi-function Fuel Treatment

(Contd. of page 5)

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:





Chemical resistant protective gloves (EN 374)

· Eye protection:



Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

General Information

· Appearance:

Form: Liquid

· Colour: Amber coloured

· Odour: Petrol-like · Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point: Undetermined.

· Initial boiling point and boiling range: Undetermined.

· Flash point: 45 °C

Flammability (solid, gas): Not applicable.

 Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive

air/vapour mixtures are possible.

· Explosion limits:

· Lower: Not determined. · Upper: Not determined.

· Vapour pressure: Not determined.

· Density: Not determined.

· Relative density at 20 °C 0.8 - 0.9

· Vapour density Not determined.

 Evaporation rate Not determined.

(Contd. on page 7)

Issue date: 07.04.2022 Version 2 Last Revision: 29.07.2015

Product name: TerraDiesel Multi-function Fuel Treatment

(Contd. of page 6)

· Solubility in / Miscibility with

Not miscible or difficult to mix. · water:

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

· Dynamic: Not determined. · Kinematic: Not determined.

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
 - Thermal decomposition / conditions to be avoided:

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid Heat, open flames, sparks.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects

| · Acute t | t oxicity Based on | available data, the classification criteria are not met. | | | |
|------------|--------------------------------|--|--|--|--|
| · LD/ | LC50 values relev | vant for classification: | | | |
| ATE (Acut | ATE (Acute Toxicity Estimates) | | | | |
| Oral | LD50 | 4902 mg/kg | | | |
| Dermal | LD50 | 5443 mg/kg | | | |
| Inhalative | LC50/4 h (vapor) | 33.9 mg/L | | | |
| 111-76-2 2 | 2-butoxyethanol | | | | |
| Oral | LD50 | 1414 mg/kg (gpg) | | | |
| Dermal | LD50 | 2000 mg/kg (gpg) | | | |
| Inhalative | LC50/4 h (vapor) | 11.5 mg/L (gpg) | | | |
| 27247-96- | 7 2-ethylhexyl nit | trate | | | |
| Oral | LD50 | 500 mg/kg (ATE) | | | |
| Dermal | LD50 | 1100 mg/kg (ATE) | | | |
| Inhalative | LC50/4 h (vapor) | 11 mg/L (ATE) | | | |
| 64742-95- | 6 Solvent naphth | a (petroleum), light arom. | | | |
| Oral | LD50 | >6800 mg/kg (rat) | | | |
| Dermal | LD50 | >3400 mg/kg (rab) | | | |
| Inhalative | LC50/4 h (vapor) | >10.2 mg/L (rat) | | | |

(Contd. on page 8)

Product name: TerraDiesel Multi-function Fuel Treatment

| | | (Contd. of pag |
|------------|-------------------|----------------------------------|
| 95-63-6 1, | 2,4-trimethylbenz | zene |
| Oral | LD50 | 5000 mg/kg (rat) |
| Inhalative | LC50/4 h (vapor) | 18 mg/L (rat) |
| 1330-20-7 | xylene | |
| Oral | LD50 | 4300 mg/kg (rat) |
| Dermal | LD50 | 2000 mg/kg (rabbit) |
| Inhalative | LC50/4 h (vapor) | 6700 mg/L (rat) |
| 178535-2 | 5-6 Benzene, ethy | lenated, residues, distn. lights |
| Oral | LD50 | >2000 mg/kg (rat) |
| 91-20-3 n | aphthalene | |
| Oral | LD50 | 490 mg/kg (rat) |
| Dermal | LD50 | 5000 mg/kg (rat) |
| 100-41-4 | ethylbenzene | |
| Oral | LD50 | 3500 mg/kg (rat) |
| Dermal | LD50 | 17800 mg/kg (rabbit) |
| Inhalative | LC50/4 h (vapor) | 17.8 mg/L (rat) |
| 98-82-8 c | umene | |
| Oral | LD50 | 1400 mg/kg (rat) |
| Dermal | LD50 | 12300 mg/kg (rabbit) |
| Inhalative | LC50/4 h (vapor) | 24.7 mg/L (mouse) |

- · Primary irritant effect:
 - · Skin corrosion/irritation

Causes skin irritation.

- · Serious eye damage/irritation
 - Causes serious eye irritation.
- Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

- Additional toxicological information:
 - · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 - Germ cell mutagenicity

May cause genetic defects.

· Carcinogenicity

May cause cancer.

- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- **Aspiration hazard**

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- · 12.1 Toxicity
 - · Aquatic toxicity: Harmful to aquatic life with long lasting effects.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.

(Contd. on page 9)

Issue date: 07.04.2022 Version 2 Last Revision: 29.07.2015

Product name: TerraDiesel Multi-function Fuel Treatment

(Contd. of page 8)

- · 12.4 Mobility in soil No further relevant information available.
 - **Ecotoxical effects:**
 - · Remark: Harmful to fish
 - · Additional ecological information:
 - · General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

- · 12.5 Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · **vPvB:** Not applicable.
- 12.6 Other adverse effects Avoid release to the environment.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
 - · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
 - · Recommendation: Disposal must be made according to official regulations.

| 14.1 UN-Number · ADR, IMDG, IATA | UN1993 |
|---|---|
| 14.2 UN proper shipping name · ADR · IMDG, IATA | UN1993 FLAMMABLE LIQUID, N.O.S (Distillates (petroleum), hydrotreated ligh Solvent naphtha (petroleum), light arom XYLENES, 2-butoxyethanol) FLAMMABLE LIQUID, N.O.S. (Distillate (petroleum), hydrotreated light, Solvent naphth (petroleum), light arom., XYLENES, 2 butoxyethanol) |
| 14.3 Transport hazard class(es) | |
| · ADR | |
| 3 | |
| · Class | 3 (F1) Flammable liquids. |

Issue date: 07.04.2022 Version 2 Last Revision: 29.07.2015

Product name: TerraDiesel Multi-function Fuel Treatment

(Contd. of page 9) · Label 3 · IMDG, IATA · Class 3 Flammable liquids. · Label · 14.4 Packing group · ADR, IMDG, IATA Ш · 14.5 Environmental hazards: Marine pollutant: No Warning: Flammable liquids. · 14.6 Special precautions for user · Hazard identification number (Kemler code): 30 · EMS Number: F-E,S-E Stowage Category Α · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable. · Transport/Additional information: · ADR · Limited quantities (LQ) 5L · Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml · Transport category 3 · Tunnel restriction code D/E · Limited quantities (LQ) 5L · Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml · UN "Model Regulation": UN 1993 FLAMMABLE LIQUID, N.O.S. (DISTILLATES (PETROLEUM), HYDROTREATED LIGHT, SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM., XYLENES, 2-BUTOXYETHANOL), 3, III

Product name: TerraDiesel Multi-function Fuel Treatment

(Contd. of page 10)

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No GB REACH Annex XVII restrictions Contains no GB REACH candidate substance

- · Directive 2012/18/EU
 - · Named dangerous substances ANNEX I None of the ingredients is listed.
 - · Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
 - Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- National regulations:
 - · Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Issue Date: 29/DEC/2016
- · Contact: Engineering Department
- · Issue Date 29.07.2015
- · Revision Changes:

v 1.0 - original SDS release (13/JUL/2015)

v 2.0 - revised flash point(29/DEC/2016)

· Abbreviations and acronyms:

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

Muta. 1B: Germ cell mutagenicity - Category 1B

Carc. 1B: Carcinogenicity - Category 1B

Carc. 2: Carcinogenicity - Category 2

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3