

Safety data sheet

Issue date: 06.04.2022

Version 1

Last Revision: 06.04.2022

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


- **1.1 Product identifier**
 - **Product name: TerraDiesel Fuel Treatment**
 - **Part number:** 201245, 201248, 201249
 - **Application of the substance / the mixture** diesel fuel additive
- **1.3 Details of the supplier of the safety data sheet**

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

 - **SDS downloadable at:**
 - **Manufacturer/Supplier:**
CPS Product Inc - USA
1010 East 31st Street
Hialeah, FL 33013 USA
Contact Phone: (305) 687-4121
 - **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**
Acute Tox. 4 H302 Harmful if swallowed.
Acute Tox. 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
- **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**



GHS07
 - **Signal word** Warning
 - **Hazard-determining components of labelling:**
2-butoxyethanol
2-ethylhexyl nitrate
 - **Hazard statements**
H302+H332 Harmful if swallowed or if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
 - **Precautionary statements**
P261 Avoid breathing fume/spray.

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P264 Wash thoroughly after handling.
 P280 Wear protective gloves / eye protection / face protection.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of contents in accordance with local regulations.

· **2.3 Other hazards**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients· **3.2 Mixtures**· **Chemical components:**

CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	50-100%
CAS: 104-76-7 EINECS: 203-234-3	2-Ethyl-1-hexanol Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤2.5%
CAS: 112-80-1 EINECS: 204-007-1	oleic acid, pure Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≤2.5%
CAS: 27247-96-7 EINECS: 248-363-6	2-ethylhexyl nitrate Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	≥0.25-<2.5%

· **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**

- **General information:** Immediately remove any clothing soiled by the product.
- **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:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
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.
- **Information for doctor:** Treat Symptomatically

· **4.2 Most important symptoms and effects, both acute and delayed**

Headache
 Unconsciousness
 Nausea

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

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Harmful if swallowed. May be fatal if swallowed and enters airways. Swallowing a small quantity of this material will result in serious health hazard.

May cause respiratory tract irritation.

blurred vision

See section 11.

- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**

- **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **5.2 Special hazards arising from the substance or mixture** See section 10 for additional information.

- **5.3 Advice for firefighters**

- **Protective equipment:** Mouth respiratory protective device.

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:**

In case of seepage into the ground inform responsible authorities.

No special measures required.

- **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.

- **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.

Prevent formation of aerosols.

Personal protective equipment must be worn. Avoid contact with skin, eyes or clothing.

- **Information about fire - and explosion protection:**

Keep away from ignition sources and high temperature materials.

- **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:**

Store at temperatures not exceeding 49°C/120°F.

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- **Further information about storage conditions:**
Keep container tightly sealed.
Keep from freezing.
- **7.3 Specific end use(s)** No further relevant information available.

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 (50-100%)**

WEL	Short-term value: 246 mg/m ³ , 50 ppm Long-term value: 123 mg/m ³ , 25 ppm Sk, BMGV
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104-76-7 2-Ethyl-1-hexanol (≤2.5%)

WEL	Long-term value: 5.4 mg/m ³ , 1 ppm
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· **Ingredients with biological limit values:****111-76-2 2-butoxyethanol (50-100%)**

BMGV	240 mmol/mol creatinine Octanol-Water: urine 0.1: post shift 7.3: butoxyacetic acid
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- **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
- Avoid contact with the eyes and skin.

· **Respiratory protection:**

- Not necessary if room is well-ventilated.
- Use suitable respiratory protective device only when aerosol or mist is formed.

· **Protection of hands:**

ISO 374-1:2016/Type A



Chemical resistant protective gloves (EN 374)

· **Eye protection:**

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

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

- | | |
|--------------------|-----------------|
| · Form: | Liquid |
| · Colour: | Amber coloured |
| · Odour: | Sweetish |
| · Odour threshold: | Not determined. |

· pH-value:	Not determined.
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· Change in condition

- | | |
|--|----------|
| · Melting point/freezing point: | -70.4 °C |
| · Initial boiling point and boiling range: | 171 °C |

· Flash point:	63 °C
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· Flammability (solid, gas):	Not applicable.
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· Ignition temperature:	240 °C
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· Decomposition temperature:	Not determined.
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· Auto-ignition temperature:	Product is not selfigniting.
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· Explosive properties:	Product does not present an explosion hazard.
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· Explosion limits:

- | | |
|----------|------------|
| · Lower: | 1.1 Vol % |
| · Upper: | 10.6 Vol % |

· Vapour pressure at 20 °C:	1.2 hPa
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· Density at 20 °C:	0.9 g/cm ³
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- | | |
|--------------------|-----------------|
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Evaporation rate | Not determined. |

· Solubility in / Miscibility with

· water at 20 °C:	1 g/l
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· Partition coefficient: n-octanol/water:	Not determined.
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· Viscosity:

- | | |
|--------------|-----------------|
| · Dynamic: | Not determined. |
| · Kinematic: | Not determined. |

· 9.2 Other information	No further relevant information available.
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SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
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· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· 10.3 Possibility of hazardous reactions	No dangerous reactions known.
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- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

SECTION 11: Toxicological information· **11.1 Information on toxicological effects**· **Acute toxicity**

Harmful if swallowed or if inhaled.

· **LD/LC50 values relevant for classification:****ATE (Acute Toxicity Estimates)**

Oral	LD50	1,232 mg/kg
Dermal	LD50	2,023 mg/kg
Inhalative	LC50/4 h (vapor)	12 mg/L

111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/kg (ATE) 1,414 mg/kg (gpg)
Dermal	LD50	2,000 mg/kg (gpg)
Inhalative	LC50/4 h (vapor)	11.5 mg/L (gpg)

104-76-7 2-Ethyl-1-hexanol

Oral	LD50	2,049 mg/kg (rat)
Dermal	LD50	1,970 mg/kg (rabbit)

112-80-1 oleic acid, pure

Oral	LD50	74,000 mg/kg (rat)
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27247-96-7 2-ethylhexyl nitrate

Oral	LD50	500 mg/kg (ATE)
Dermal	LD50	1,100 mg/kg (ATE)
Inhalative	LC50/4 h (vapor)	11 mg/L (ATE)

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

Causes skin irritation.

· **Serious eye damage/irritation**

Causes serious eye irritation.

· **Inhalation:** May cause respiratory tract irritation.· **Ingestion:** May cause gastrointestinal irritation, nausea, vomiting, diarrhea.· **Respiratory or skin sensitisation**

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

· **Additional toxicological information:**· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.· **Carcinogenicity** Based on available data, the classification criteria are not met.· **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.

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· **Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information**· **12.1 Toxicity**· **Aquatic toxicity:****112-80-1 oleic acid, pure**

LC50 (96 h) | 205 mg/L (fish)

· **12.2 Persistence and degradability** No further relevant information available.· **12.3 Bioaccumulative potential****112-80-1 oleic acid, pure**

Bioaccumulation | 7.73 (-) (potential high)

· **12.4 Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Other adverse effects** No further relevant information available.**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.**SECTION 14: Transport information**· **14.1 UN-Number**· **ADR, IMDG, IATA**

Not Regulated

· **14.2 UN proper shipping name**· **ADR, IMDG, IATA**

Not Regulated

· **14.3 Transport hazard class(es)**· **ADR, IMDG, IATA**· **Class**

Not Regulated

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· 14.4 Packing group · ADR, IMDG, IATA	Not Regulated
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	Not Regulated

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.

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:** August 19, 2015
- **Contact:**
Engineering Department
Engineering Department
- **Issue Date** 06.04.2022
- **Revision Changes:** v 1.0 - original SDS release (August 19, 2015)
- **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
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
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- * **Data compared to the previous version altered.**