

## Safety Data Sheet

Issue date: 01/25/2021

v 1

Last Revision Date: 01/25/2021

**1 Identification**· **Product identifier**· **Trade name: TERRACLEAN Fuel Injector Cleaner**· **Part number:** 201210, 201410· **Application of the substance / the mixture**

Fuel Injector Cleaner with wrap label Rev. 25 for both sizes of cans

· **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

· **Manufacturer/Supplier:**

CPS Product Inc - USA

1010 East 31st Street

Hialeah, FL 33013 USA

Contact: (305) 687-4121

· **email of person responsible:** cs@cpsproducts.com· **Emergency telephone number:**

CHEMTREC International +1 (703) 527-3887 (outside the US), 1-800-424-9300 (in the US) 24 hr

**2 Hazard(s) identification**· **Classification of the substance or mixture**

Flam. Aerosol 1 H222 Extremely flammable aerosol. Pressurized container. May burst if heated.

Press. Gas H280 Contains gas under pressure; may explode if heated.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A 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.

· **Label elements**· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**· **Signal word** Danger· **Hazard-determining components of labeling:**

Naphtha (petroleum), light alkylate

Distillates (petroleum), hydrotreated light

Solvent naphtha (petroleum), heavy arom.

· **Hazard statements**

Extremely flammable aerosol. Pressurized container. May burst if heated.

Contains gas under pressure; may explode if heated.

Causes skin irritation.

Causes serious eye irritation.

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May cause genetic defects.

May cause cancer.

May be fatal if swallowed and enters airways.

· **Precautionary statements**

Obtain special instructions before use.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Pressurized container: Do not pierce or burn, even after use.

Wash thoroughly after handling.

If swallowed: Immediately call a poison center/doctor.

Specific treatment (see on this label).

Do NOT induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Take off contaminated clothing and wash it before reuse.

Store locked up.

Protect from sunlight. Store in a well-ventilated place.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Dispose of contents in accordance with local regulations.

· **Additional information:** Restricted to professional users.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 3

Reactivity = 3

· **HMIS-ratings (scale 0 - 4)**



Health = \*2

Fire = 3

Reactivity = 3

· **Other hazards**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Chemical components:**

64741-66-8	Naphtha (petroleum), light alkylate	≥25-≤50%
1330-20-7	xylene	≥25-≤50%
111-76-2	2-butoxyethanol	≥2.5-≤25%
108-11-2	4-methylpentan-2-ol	≥2.5-≤10%
64742-47-8	Distillates (petroleum), hydrotreated light	2.5-10%
64742-94-5	Solvent naphtha (petroleum), heavy arom.	≤2.5%

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**4 First-aid measures**· **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **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:** If symptoms persist consult doctor.
- **Information for doctor:** Treat Symptomatically
  - **Most important symptoms and effects, both acute and delayed**  
Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.  
See section 11.
  - **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Fire-fighting measures**

- **Extinguishing media**
  - **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** See section 10 for additional information.
- **Advice for firefighters**
  - **Protective equipment:**  
Recommend wearing self-contained breathing apparatus. Water may cause splattering.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**

· <b>PAC-1:</b>		
1330-20-7	xylene	130 ppm
111-76-2	2-butoxyethanol	60 ppm

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95-63-6	1,2,4-trimethylbenzene	140 ppm
91-20-3	naphthalene	15 ppm
108-67-8	mesitylene	140 ppm
526-73-8	1,2,3-trimethylbenzene	140 ppm

**· PAC-2:**

1330-20-7	xylene	920* ppm
111-76-2	2-butoxyethanol	120 ppm
95-63-6	1,2,4-trimethylbenzene	360 ppm
91-20-3	naphthalene	83 ppm
108-67-8	mesitylene	360 ppm
526-73-8	1,2,3-trimethylbenzene	360 ppm

**· PAC-3:**

1330-20-7	xylene	2500* ppm
111-76-2	2-butoxyethanol	700 ppm
95-63-6	1,2,4-trimethylbenzene	480 ppm
91-20-3	naphthalene	500 ppm
108-67-8	mesitylene	480 ppm
526-73-8	1,2,3-trimethylbenzene	480 ppm

**7 Handling and storage****· Handling:****· Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.

**· Information about protection against explosions and fires:**

Do not spray on a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Keep respiratory protective device available.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

**· Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles:**

See section 10 for incompatible materials.  
Observe official regulations on storing packagings with pressurized containers.

**· Information about storage in one common storage facility:** Not required.

**· Further information about storage conditions:** Keep receptacle tightly sealed.

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

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**8 Exposure controls/personal protection**· **Control parameters**· **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

<b>1330-20-7 xylene (25-50%)</b>	
PEL	TWA: 435 mg/m <sup>3</sup> , 100 ppm
REL	STEL: 655 mg/m <sup>3</sup> , 150 ppm TWA: 435 mg/m <sup>3</sup> , 100 ppm
TLV	STEL: 651 mg/m <sup>3</sup> , 150 ppm TWA: 434 mg/m <sup>3</sup> , 100 ppm BEI
<b>111-76-2 2-butoxyethanol (10-25%)</b>	
PEL	TWA: 240 mg/m <sup>3</sup> , 50 ppm Skin
REL	TWA: 24 mg/m <sup>3</sup> , 5 ppm Skin
TLV	TWA: 97 mg/m <sup>3</sup> , 20 ppm BEI
<b>108-11-2 4-methylpentan-2-ol (2.5-10%)</b>	
PEL	TWA: 100 mg/m <sup>3</sup> , 25 ppm Skin
REL	STEL: 165 mg/m <sup>3</sup> , 40 ppm TWA: 100 mg/m <sup>3</sup> , 25 ppm Skin
TLV	STEL: 167 mg/m <sup>3</sup> , 40 ppm TWA: 83 mg/m <sup>3</sup> , 20 ppm
<b>124-38-9 carbon dioxide (2.5-10%)</b>	
PEL	TWA: 9000 mg/m <sup>3</sup> , 5000 ppm
REL	STEL: 54,000 mg/m <sup>3</sup> , 30,000 ppm TWA: 9000 mg/m <sup>3</sup> , 5000 ppm
TLV	STEL: 54,000 mg/m <sup>3</sup> , 30,000 ppm TWA: 9000 mg/m <sup>3</sup> , 5000 ppm
· <b>Ingredients with biological limit values:</b>	
<b>1330-20-7 xylene (25-50%)</b>	
BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
<b>111-76-2 2-butoxyethanol (10-25%)</b>	
BEI	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis

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· **Additional information:** The lists that were valid during the creation were used as basis.

· **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.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Chemical resistant protective gloves

· **Eye protection:**



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

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:**

Aerosol

· **Color:**

According to product specification

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

· **Melting point/Melting range:**

Undetermined.

· **Boiling point/Boiling range:**

140 °C

· **Flash point:**

54 °C

· **Flammability (solid, gaseous):**

Not applicable.

· **Decomposition temperature:**

Not determined.

· **Auto igniting:**

Product is not selfigniting.

· **Danger of explosion:**

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

· **Lower:**

Not determined.

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· <b>Upper:</b>	Not determined.
· <b>Vapor pressure:</b>	Not determined.
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Fully miscible.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not determined.
· <b>Kinematic:</b>	Not determined.
· <b>Solvent separation test</b>	
· <b>VOC content:</b>	68.35-81.35 %
· <b>Other information</b>	No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Heat, open flames, sparks.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** May include, and are not limited to: oxides of carbon.

**11 Toxicological information**· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****ATE (Acute Toxicity Estimate)**

Oral	LD50	5,371-7,055 mg/kg
Dermal	LD50	4,290-5,415 mg/kg
Inhalative	LC50/4 h (vapor)	105-144 mg/L (ppm)

**1330-20-7 xylene**

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h (vapor)	6,700 mg/L (rat)

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**111-76-2 2-butoxyethanol**

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

**108-11-2 4-methylpentan-2-ol**

Oral	LD50	2,590 mg/kg (rat)
Dermal	LD50	3,560 mg/kg (rabbit)

· **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.

· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

The product can cause inheritable damage.

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

1330-20-7	xylene	3
111-76-2	2-butoxyethanol	3
91-20-3	naphthalene	2B

· **NTP (National Toxicology Program)**

91-20-3	naphthalene	R
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**12 Ecological information**· **Toxicity**

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**

· **Bioaccumulative potential****108-11-2 4-methylpentan-2-ol**

Bioaccumulation	1.43 (-) (potential low)
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· **Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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

· **Results of PBT and vPvB assessment**

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

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- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
  - **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

**14 Transport information**

· <b>UN-Number</b>	
· DOT, ADR, IMDG, IATA	UN1950
· <b>UN proper shipping name</b>	
· DOT	Aerosols, flammable
· IMDG	AEROSOLS
· IATA	AEROSOLS, flammable
· <b>Transport hazard class(es)</b>	
· DOT	
	
· Class	2.1
· Label	2.1
· <b>IMDG, IATA</b>	
	
· Class	2.1
· Label	2.1
· <b>Packing group</b>	
· DOT, IMDG, IATA	Not Regulated
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Warning: Gases
· <b>Hazard identification number (Kemler code):</b>	-
· <b>EMS Number:</b>	F-D,S-U
· <b>Stowage Code</b>	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS

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· <b>Segregation Code</b>	with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>DOT</b>	
· <b>Quantity limitations</b>	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No REACH Annex XVII restrictions  
Contains no REACH candidate substance

· **Sara**

· <b>Section 355 (extremely hazardous substances):</b>		
None of the ingredients is listed.		
· <b>Section 313 (Specific toxic chemical listings):</b>		
1330-20-7	xylene	
111-76-2	2-butoxyethanol	
95-63-6	1,2,4-trimethylbenzene	
91-20-3	naphthalene	
· <b>TSCA (Toxic Substances Control Act):</b>		
64741-66-8	Naphtha (petroleum), light alkylate	ACTIVE
1330-20-7	xylene	ACTIVE
111-76-2	2-butoxyethanol	ACTIVE
108-11-2	4-methylpentan-2-ol	ACTIVE

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64742-47-8	Distillates (petroleum), hydrotreated light	ACTIVE
124-38-9	carbon dioxide	ACTIVE
64742-94-5	Solvent naphtha (petroleum), heavy arom.	ACTIVE
95-63-6	1,2,4-trimethylbenzene	ACTIVE
91-20-3	naphthalene	ACTIVE
108-67-8	mesitylene	ACTIVE
526-73-8	1,2,3-trimethylbenzene	ACTIVE

· **Hazardous Air Pollutants**

1330-20-7	xylene
91-20-3	naphthalene

· **Proposition 65**· **Chemicals known to cause cancer:**

91-20-3	naphthalene
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· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

1330-20-7	xylene	I
111-76-2	2-butoxyethanol	NL
95-63-6	1,2,4-trimethylbenzene	II
91-20-3	naphthalene	C, CBD
108-67-8	mesitylene	II
526-73-8	1,2,3-trimethylbenzene	II

· **TLV (Threshold Limit Value established by ACGIH)**

1330-20-7	xylene	A4
111-76-2	2-butoxyethanol	A3
91-20-3	naphthalene	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **National regulations:**· **Additional classification according to Decree on Hazardous Materials:**

Carcinogenic hazardous material group III (dangerous).

· **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.

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**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.

- **Contact:** Engineering Department

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- **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

- IMDG: International Maritime Code for Dangerous Goods

- DOT: US Department of Transportation

- IATA: International Air Transport Association

- ACGIH: American Conference of Governmental Industrial Hygienists

- 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)

- NFPA: National Fire Protection Association (USA)

- HMIS: Hazardous Materials Identification System (USA)

- VOC: Volatile Organic Compounds (USA, EU)

- LC50: Lethal concentration, 50 percent

- LD50: Lethal dose, 50 percent

- PBT: Persistent, Bioaccumulative and Toxic

- vPvB: very Persistent and very Bioaccumulative

- NIOSH: National Institute for Occupational Safety

- TLV: Threshold Limit Value

- PEL: Permissible Exposure Limit

- REL: Recommended Exposure Limit

- BEI: Biological Exposure Limit

- Flam. Aerosol 1: Aerosols – Category 1

- Press. Gas: Gases under pressure – Compressed gas

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

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

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

- Carc. 1B: Carcinogenicity – Category 1B

- Asp. Tox. 1: Aspiration hazard – Category 1

- **\* Data compared to the previous version altered.**