

## Safety Data Sheet

Issue date: 19.04.2022

v 2

Last Revision Date: 19.04.2022

## 1 Identification

- **Product identifier**

- **Trade name: Terraclean Fuel System Purge**

- **Part number: 201275**

- **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

- **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

- **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**

Flammable Liquids 3            H226 Flammable liquid and vapor.

Skin Irritation 2                H315 Causes skin irritation.

Eye Irritation 2A                H319 Causes serious eye irritation.

Germ Cell Mutagenicity 1B    H340 May cause genetic defects.

Carcinogenicity 1B               H350 May cause cancer.

Aspiration Hazard 1            H304 May be fatal if swallowed and enters airways.

Aquatic Acute 3                  H402 Harmful to aquatic life.

- **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

Solvent naphtha (petroleum), light arom.

Distillates (petroleum), sweetened middle

Solvent naphtha (petroleum), heavy arom.

- **Hazard statements**

Flammable liquid and vapor.

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.

Harmful to aquatic life.

· **Precautionary statements**

Obtain special instructions before use.

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

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Immediately call a poison center/doctor.

Specific treatment (see on this label).

Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Take off contaminated clothing and wash it before reuse.

Store locked up.

Dispose of contents in accordance with local regulations.

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

· **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%
111-76-2	2-butoxyethanol	2.5-10%
64742-95-6	Solvent naphtha (petroleum), light arom.	2.5-10%
108-11-2	4-methylpentan-2-ol	2.5-10%
112-80-1	oleic acid, pure	2.5-10%
64741-86-2	Distillates (petroleum), sweetened middle	≤2.5%
64742-94-5	Solvent naphtha (petroleum), heavy arom.	≤2.5%
1336-21-6	ammonia	≤2.5%
91-20-3	naphthalene	≤2.5%

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

**4 First-aid measures**

· **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.

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- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
Immediately rinse with water. Immediately remove all contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.
- **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:** A person vomiting while lying on their back should be turned onto their side.
- **Information for doctor:** Treat Symptomatically
  - **Most important symptoms and effects, both acute and delayed**  
Headache  
Dizziness  
May cause nose, throat, and lung irritation.  
Harmful if swallowed. May be fatal if swallowed and enters airways. Swallowing a small quantity of this material will result in serious health hazard.  
Irritating to skin and eyes. Could cause dermatitis. Will cause nausea and vomiting.  
See section 11.
  - **Indication of any immediate medical attention and special treatment needed**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.  
Treat Symptomatically

**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:**  
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.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:**  
Prevent seepage into sewage system, workpits and cellars.  
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.
- **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.

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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.

**7 Handling and storage**

- **Handling:**

- **Precautions for safe handling**

Open and handle receptacle with care.

Use only in well ventilated areas.

Avoid contact with the eyes and skin.

Avoid contact with clothing.

Avoid splashes or spray in enclosed areas.

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

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

See section 10 for incompatible materials.

See section 10 for incompatible materials.

- **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.

**8 Exposure controls/personal protection**

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

**111-76-2 2-butoxyethanol (2.5-10%)**

PEL (USA)	TWA: 240 mg/m <sup>3</sup> , 50 ppm Skin
REL (USA)	TWA: 24 mg/m <sup>3</sup> , 5 ppm Skin
TLV (USA)	TWA: 20 ppm BEI, A3
EL (Canada)	TWA: 20 ppm
EV (Canada)	TWA: 20 ppm Skin

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**108-11-2 4-methylpentan-2-ol (2.5-10%)**

PEL (USA)	TWA: 100 mg/m <sup>3</sup> , 25 ppm Skin
REL (USA)	STEL: 165 mg/m <sup>3</sup> , 40 ppm TWA: 100 mg/m <sup>3</sup> , 25 ppm Skin
TLV (USA)	STEL: 40 ppm TWA: 20 ppm
EL (Canada)	STEL: 40 ppm TWA: 25 ppm
EV (Canada)	STEL: 167 mg/m <sup>3</sup> , 40 ppm TWA: 104 mg/m <sup>3</sup> , 25 ppm Skin

**91-20-3 naphthalene (≤2.5%)**

PEL (USA)	TWA: 50 mg/m <sup>3</sup> , 10 ppm
REL (USA)	STEL: 75 mg/m <sup>3</sup> , 15 ppm TWA: 50 mg/m <sup>3</sup> , 10 ppm
TLV (USA)	TWA: 10 ppm Skin; BEI, A3
EL (Canada)	TWA: 10 ppm Skin; IARC 2B
EV (Canada)	STEL: 78 mg/m <sup>3</sup> , 15 ppm TWA: 52 mg/m <sup>3</sup> , 10 ppm

**· Ingredients with biological limit values:****111-76-2 2-butoxyethanol (2.5-10%)**

BEI (USA)	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid (BAA) (with hydrolysis)
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**91-20-3 naphthalene (≤2.5%)**

BEI (USA)	- Medium: - Time: end of shift Parameter: 1-Naphthol with hydrolysis + 2-Naphthol with hydrolysis (Nq,Ns)
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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.

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· **Protection of hands:**

Chemical resistant protective gloves

· **Eye protection:**

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

· **Body protection:** Protective work clothing**9 Physical and chemical properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**· **Form:**

Liquid

· **Color:**

Yellow

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**· **Melting point/Melting range:**

Undetermined.

· **Boiling point/Boiling range:**

131 °C

· **Flash point:**

45 °C

· **Flammability (solid, gaseous):**

Not applicable.

· **Ignition temperature:**

240 °C

· **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:**

0.7 Vol %

· **Upper:**

10.6 Vol %

· **Vapor pressure at 20 °C:**

5 hPa

· **Density at 20 °C:**0.82 g/cm<sup>3</sup>· **Relative density**

Not determined.

· **Vapor density**

Not determined.

· **Evaporation rate**

Not determined.

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· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Not miscible or difficult to mix.
· <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>	64.05 %
· <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:** Strong Oxidizers, strong acids.
- **Hazardous decomposition products:** May include, and are not limited to: oxides of carbon.

**11 Toxicological information**

- **Information on toxicological effects**
  - **Acute toxicity:**

· <b>LD/LC50 values that are relevant for classification:</b>		
<b>ATE (Acute Toxicity Estimate)</b>		
Oral	LD50	12,000 mg/kg
Dermal	LD50	20,000 mg/kg
Inhalative	LC50/4 h (vapor)	>41.8 mg/L
<b>111-76-2 2-butoxyethanol</b>		
Oral	LD50	1,200 mg/kg (ATE) 1,414 mg/kg (pgp)
Dermal	LD50	2,000 mg/kg (pgp)
Inhalative	LC50/4 h (vapor)	11.5 mg/L (pgp)
<b>64742-95-6 Solvent naphtha (petroleum), light arom.</b>		
Oral	LD50	>6,800 mg/kg (rat)
Dermal	LD50	>3,400 mg/kg (rab)
Inhalative	LC50/4 h (vapor)	>10.2 mg/L (rat)
<b>108-11-2 4-methylpentan-2-ol</b>		
Oral	LD50	2,590 mg/kg (rat)

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Dermal	LD50	3,560 mg/kg (rabbit)
<b>112-80-1 oleic acid, pure</b>		
Oral	LD50	74,000 mg/kg (rat)
<b>64741-86-2 Distillates (petroleum), sweetened middle</b>		
Inhalative	LC50/4 h (vapor)	4.6 mg/L (rat)
<b>91-20-3 naphthalene</b>		
Oral	LD50	490 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rat)

· **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Inhalation:** Do not inhale, can cause respiratory system irritation.
- **Ingestion:** May be fatal if swallowed and enter airways.

· **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.

· <b>IARC (International Agency for Research on Cancer)</b>		
111-76-2	2-butoxyethanol	3
91-20-3	naphthalene	2B
102-71-6	Triethanolamine	3

· <b>NTP (National Toxicology Program)</b>		
91-20-3	naphthalene	R

· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>		
None of the ingredients is listed.		

**12 Ecological information**· **Toxicity**· **Aquatic toxicity:**

Harmful to aquatic life with long lasting effects.

<b>112-80-1 oleic acid, pure</b>		
LC50 (96 h)	205 mg/L (fish)	

· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**

· <b>Bioaccumulative potential</b>		
<b>108-11-2 4-methylpentan-2-ol</b>		
Bioaccumulation	1.43 (-) (potential low)	
<b>112-80-1 oleic acid, pure</b>		
Bioaccumulation	7.73 (-) (potential high)	

· **Mobility in soil** No further relevant information available.

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· **Additional ecological information:**· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water  
 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.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** Avoid release to the environment.**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.**14 Transport information**· **UN-Number**· **DOT, ADR, IMDG, IATA**

UN1993

· **UN proper shipping name**· **DOT**

Flammable liquids, n.o.s. (Solvent naphtha (petroleum), light arom., Methyl isobutyl carbinol, 2-butoxyethanol)

· **IMDG, IATA**

FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light arom., METHYL ISOBUTYL CARBINOL)

· **Transport hazard class(es)**· **DOT**· **Class**

3 Flammable liquids

· **Label**

3

· **IMDG, IATA**· **Class**

3 Flammable liquids

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· Label	3
· Packing group · DOT, IMDG, IATA	III
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Segregation groups · Stowage Category	Warning: Flammable liquids 30 F-E, S-E Ammonium compounds, alkalis A
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L 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. (SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM., METHYL ISOBUTYL CARBINOL), 3, III

**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

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

111-76-2	2-butoxyethanol
1336-21-6	ammonia
91-20-3	naphthalene

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **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)**

111-76-2	2-butoxyethanol	NL
91-20-3	naphthalene	C, CBD

· **TLV (Threshold Limit Value)**

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.

· **Canadian substance listings:**· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

111-76-2	2-butoxyethanol
108-11-2	4-methylpentan-2-ol
112-80-1	oleic acid, pure

**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: 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  
 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)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent

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PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
Flammable Liquids 3: Flammable liquids – Category 3  
Skin Irritation 2: Skin corrosion/irritation – Category 2  
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A  
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B  
Carcinogenicity 1B: Carcinogenicity – Category 1B  
Aspiration Hazard 1: Aspiration hazard – Category 1  
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

NA