Issue date: 07.04.2022 v 2 Last Revision Date: 07.04.2022

1 Identification

· Product identifier

Trade name: TerraDiesel Fuel Injector Cleaner

· Part number: 201255, 201256

Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

CPS Products Inc. 1010 East 31st Street Hialeah, Florida 33013 USA 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.

Acute Toxicity - Oral 4 H302 Harmful if swallowed.

Acute Toxicity - Dermal 4 H312 Harmful in contact with skin.

Acute Toxicity - Inhalation 4 H332 Harmful if inhaled.
Skin Irrititation 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 Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 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:

2-ethylhexyl nitrate

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

2-butoxyethanol

Hazard statements

Flammable liquid and vapor.

Harmful if swallowed.

Harmful in contact with skin.

Harmful if inhaled.

Causes skin irritation.

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Causes serious eye irritation.

May cause genetic defects.

May cause cancer.

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

Precautionary statements

Obtain special instructions before use.

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

Do not breathe fume/spray.

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

If swallowed: Immediately call a poison center/doctor.

Do NOT induce vomiting.

IF exposed or concerned: Get medical advice/attention.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents in accordance with local regulations.

- · Additional information: For Professional Use Only
- Other hazards
 - PBT: Not applicable.vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Chemical components:		
64742-47-8	Distillates (petroleum), hydrotreated light	25-50%
27247-96-7	2-ethylhexyl nitrate	10-25%
	2-butoxyethanol	10-25%
64742-94-5	Solvent naphtha (petroleum), heavy arom.	2.5-10%
64742-95-6	Solvent naphtha (petroleum), light arom.	2.5-10%
1330-20-7	xylene	≤2.5%
95-63-6	1,2,4-trimethylbenzene	≤2.5%
178535-25-6	Benzene, ethylenated, residues, distn. lights	≤2.5%
	ethylbenzene	≤2.5%
102-25-0	1,3,5-triethylbenzene	≤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

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 rinse with water. Immediately remove all contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

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· 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; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

Information for doctor:

· 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.

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.

May cause eye irritation. Symptons may include discomfort or pain, excessive blinking and tear production, with possible redness and swelling.

· 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: CO2, sand, extinguishing powder. Do not use water.
 - · For safety reasons unsuitable extinguishing agents: Water
- 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:

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.

· 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.

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Do not flush with water or aqueous cleansing agents

· 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 from heat.

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.

- · 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.

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

8 Exposure controls/personal protection

· Control parameters

Control paramotors		
· Components with limit values that require monitoring at the workplace:		
64742-47-8 Distillates (petroleum), hydrotreated light (25-50%)		
EL (Canada)	TWA: 200 mg/m³ Skin	
444 70 0 0 6		
111-76-2 Z-DI	utoxyethanol (10-25%)	
PEL (USA)	TWA: 240 mg/m³, 50 ppm Skin	
REL (USA)	TWA: 24 mg/m³, 5 ppm Skin	
TLV (USA)	TWA: 20 ppm BEI, A3	
EL (Canada)	TWA: 20 ppm	

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	(Contd. of page 4
EV (Canada) TWA: 20 ppm
,	Skin
1330-20-7 x	ylene (≤2.5%)
PEL (USA)	TWA: 435 mg/m³, 100 ppm
REL (USA)	STEL: 655 mg/m³, 150 ppm TWA: 435 mg/m³, 100 ppm
TLV (USA)	STEL: (150) ppm TWA: (100) NIC-20 ppm BEI, A4
EL (Canada	STEL: 150 ppm TWA: 100 ppm
EV (Canada) STEL: 650 mg/m³, 150 ppm TWA: 435 mg/m³, 100 ppm
95-63-6 1,2,	4-trimethylbenzene (≤2.5%)
REL (USA)	TWA: 125 mg/m³, 25 ppm
TLV (USA)	TWA: (25) NIC-10 ppm NIC-A4
100-41-4 etl	nylbenzene (≤2.5%)
PEL (USA)	TWA: 435 mg/m³, 100 ppm
REL (USA)	STEL: 545 mg/m³, 125 ppm TWA: 435 mg/m³, 100 ppm
TLV (USA)	TWA: 20 NIC-20 ppm BEI, A3, NIC: OTO, BEI, A3
EL (Canada	TWA: 20 ppm IARC 2B
EV (Canada) STEL: 540 mg/m³, 125 ppm TWA: 435 mg/m³, 100 ppm
· Ing	gredients with biological limit values:
111-76-2 2-1	outoxyethanol (10-25%)
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	200 mg/g creatinine Medium: urine Fime: end of shift Parameter: Butoxyacetic acid (BAA) (with hydrolysis)
1330-20-7 x	ylene (≤2.5%)
BEI (USA) 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids	
	nylbenzene (≤2.5%)
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0.15 g/g creatinine Medium: urine Fime: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)
· Addit	ional information: The lists that were valid during the creation were used as basis.

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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 skin.

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:

· Ignition temperature:



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 che General Information	emical properties
· Appearance:	
· Form:	Liquid
· Color:	Amber colored
· Odor:	Sweetish
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
· Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	43 °C
· Flammability (solid, gaseous):	Not applicable.

210 °C Decomposition temperature: Not determined.

Product is not selfigniting. · Auto igniting:

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

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		(Contd. of page
· Explosion limits:		
· Lower:	0.5 Vol %	
· Upper:	10.6 Vol %	
· Vapor pressure at 20 °C:	2 hPa	
· Density:	Not determined.	
· Relative density at 20 °C	0.8	
· Vapor density	Not determined.	
Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
· Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/w	rater): Not determined.	
· Viscosity:		
· Dynamic:	Not determined.	
· Kinematic:	Not determined.	
· Other information	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:

· LD/	· LD/LC50 values that are relevant for classification:		
ATE (Acu	ATE (Acute Toxicity Estimate)		
Oral	LD50	3125 mg/kg	
Dermal	LD50	4280 mg/kg	
Inhalative	LC50/4 h (vapor)	30.5 mg/L	

27247-96-7	2-ethvlhexv	I nitrate
------------	-------------	-----------

Oral	LD50	500 mg/kg (ATE)
Dermal	LD50	1100 mg/kg (ATE)
Inhalative	LC50/4 h (vapor)	11 mg/L (ATE)

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		(Contd. of page 7	
111-76-2 2	111-76-2 2-butoxyethanol		
Oral	LD50	1414 mg/kg (gpg)	
Dermal	LD50	2000 mg/kg (gpg)	
Inhalative	LC50/4 h (vapor)	11.5 mg/L (gpg)	
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)	
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)	
95-63-6 1,	2,4-trimethylbenz	zene	
Oral	LD50	5000 mg/kg (rat)	
Inhalative	LC50/4 h (vapor)	18 mg/L (rat)	
178535-25	5-6 Benzene, ethy	lenated, residues, distn. lights	
Oral	LD50	>2000 mg/kg (rat)	
100-41-4 €	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)	

· Primary irritant effect:

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

· Additional toxicological information:

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

Harmful

Irritant

Carcinogenic.

· IARC (International Agency for Research on Cancer)		
111-76-	2 2-butoxyethanol	3
1330-20-	7 xylene	3
100-41-	4 ethylbenzene	2B
91-20-	3 naphthalene	2B
98-82-	8 cumene	2B
· NTP (National Toxicology Program)		
91-20-3	naphthalene	R
98-82-8	cumene	R
		(Contd. on page 9)

NΑ

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· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- · Toxicity
 - · Aquatic toxicity: Harmful to aquatic life with long lasting effects.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
 - · Bioaccumulative potential No further relevant information available.
 - · Mobility in soil No further relevant information available.
- · Ecotoxical effects:
 - · Remark: Harmful to fish
- · 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.

Harmful to aquatic organisms

- · 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.

· UN-Number · DOT, ADR, IMDG, IATA	UN1993
UN proper shipping name	
· DOT	Flammable liquids, n.o.s. (Distillates (petroleum hydrotreated light, Solvent naphtha (petroleum light arom., Xylenes, 2-butoxyethanol)
· IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (Distillate (petroleum), hydrotreated light, Solvent naphth (petroleum), light arom., XYLENES, 2 butoxyethanol)

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(Contd. of page 9) · Transport hazard class(es) · DOT 3 Flammable liquids · Class · Label · IMDG, IATA · Class 3 Flammable liquids · Label · Packing group · DOT, IMDG, IATA Ш · Environmental hazards: · Marine pollutant: No Warning: Flammable liquids · Special precautions for user · Hazard identification number (Kemler code): 30 · EMS Number: F-E,S-E Stowage Category Α · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information: ·IMDG · Limited quantities (LQ) 5L · Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 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, ETHYLBENZENE), 3, III

NA -

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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	
1330-20-7	xylene	
	1,2,4-trimethylbenzene	
	ethylbenzene	
	naphthalene	
98-82-8	cumene	
	A (Toxic Substances Control Act):	
	8 Distillates (petroleum), hydrotreated light	
	7 2-ethylhexyl nitrate	
	2 2-butoxyethanol	
	5 Solvent naphtha (petroleum), heavy arom.	
	6 Solvent naphtha (petroleum), light arom.	
	7 xylene	
	6 1,2,4-trimethylbenzene	
	6 Benzene, ethylenated, residues, distn. lights	
	7 2-Ethyl-1-hexanol	
	3 Stoddard solvent	
	ethylbenzene	
	0 1,3,5-triethylbenzene	
	3 naphthalene	
	8 mesitylene	
98-82	8 cumene	

· Proposition 65

· Chemicals known to cause cancer:		
100-41-4	ethylbenzene	
91-20-3	naphthalene	
98-82-8	cumene	

 \cdot 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.

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Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)			
111-76-2	2-butoxyethanol	NL	
1330-20-7	xylene	I	
100-41-4	ethylbenzene	D	
91-20-3	naphthalene	C, CBD	
98-82-8	cumene	D, CBD	
· TLV (Threshold Limit Value)			

(Threshold Limit Value)

•	27 (Timodhola Zimit Valao)	
111-76-2	2-butoxyethanol	A3
1330-20-7	xylene	A4
100-41-4	ethylbenzene	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%)

95-63-6	1,2,4-trimethylbenzene
	41 11

100-41-4 ethylbenzene

· Canadian Ingredient Disclosure list (limit 1%)

111-76-2 2-butoxyethanol

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
 - · Issue Date 07.04.2022
 - · 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

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vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health

OSHA: Occupational Safety & Health
Flammable Liquids 3: Flammable liquids – Category 3
Acute Toxicity - Oral 4: Acute toxicity – Category 4
Skin Irritiation 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 1
Aspiration Hazard 1: Aspiration hazard – Category 1
Acutetic Chronic 3: Hazardous to the acutetic environment, long tor

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