

Safety Data Sheet

Issue date: 23.03.2022

v 1

Last Revision Date: 23.03.2022

1 Identification

· Product identifier

· Trade name: **Motorvac DieselTune Maximum Strength Fuel Injector Cleaner**

· Part number: 400-3012, 98003004

· 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 2	H401 Toxic to aquatic life.
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:

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

· Hazard statements

Flammable liquid and vapor.
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.
 Toxic to aquatic life.
 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:** Restricted to professional users.

- **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%
111-76-2	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%
100-41-4	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.

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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:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **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**
Mount respiratory protective device.
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.
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.

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- **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.
- **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:	
64742-47-8 Distillates (petroleum), hydrotreated light (25-50%)	
EL (Canada)	TWA: 200 mg/m ³ Skin
111-76-2 2-butoxyethanol (10-25%)	
PEL (USA)	TWA: 240 mg/m ³ , 50 ppm Skin
REL (USA)	TWA: 24 mg/m ³ , 5 ppm Skin
TLV (USA)	TWA: 20 ppm BEI, A3

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EL (Canada)	TWA: 20 ppm
EV (Canada)	TWA: 20 ppm Skin
1330-20-7 xylene (≤2.5%)	
PEL (USA)	TWA: 435 mg/m ³ , 100 ppm
REL (USA)	STEL: 655 mg/m ³ , 150 ppm TWA: 435 mg/m ³ , 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/m ³ , 150 ppm TWA: 435 mg/m ³ , 100 ppm
95-63-6 1,2,4-trimethylbenzene (≤2.5%)	
REL (USA)	TWA: 125 mg/m ³ , 25 ppm
TLV (USA)	TWA: (25) NIC-10 ppm NIC-A4
100-41-4 ethylbenzene (≤2.5%)	
PEL (USA)	TWA: 435 mg/m ³ , 100 ppm
REL (USA)	STEL: 545 mg/m ³ , 125 ppm TWA: 435 mg/m ³ , 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/m ³ , 125 ppm TWA: 435 mg/m ³ , 100 ppm
Ingredients with biological limit values:	
111-76-2 2-butoxyethanol (10-25%)	
BEI (USA)	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid (BAA) (with hydrolysis)
1330-20-7 xylene (≤2.5%)	
BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
100-41-4 ethylbenzene (≤2.5%)	
BEI (USA)	0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

· **Additional 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 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.

· **Body protection:** Protective work clothing**9 Physical and chemical properties**· **Information on basic physical and chemical properties**· **General Information**· **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:** 171 °C

· **Flash point:** 45 °C

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 210 °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.

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· Explosion limits:	
· Lower:	0.5 Vol %
· Upper:	10.6 Vol %
· Vapor pressure at 20 °C:	2 hPa
· Density at 20 °C:	0.8 g/cm ³
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Kinematic at 40 °C:	1.87 mm ² /s
· Solvent separation test	
· VOC content:	24.09 %
· 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/LC50 values that are relevant for classification:		
ATE (Acute Toxicity Estimate)		
Oral	LD50	2,226 mg/kg
Dermal	LD50	4,280 mg/kg
Inhalative	LC50/4 h (vapor)	>30.5 mg/L
27247-96-7 2-ethylhexyl nitrate		
Oral	LD50	500 mg/kg (ATE)
Dermal	LD50	1,100 mg/kg (ATE)

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Inhalative	LC50/4 h (vapor)	11 mg/L (ATE)
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)
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	>6,800 mg/kg (rat)
Dermal	LD50	>3,400 mg/kg (rab)
Inhalative	LC50/4 h (vapor)	>10.2 mg/L (rat)
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)
95-63-6 1,2,4-trimethylbenzene		
Oral	LD50	5,000 mg/kg (rat)
Inhalative	LC50/4 h (vapor)	18 mg/L (rat)
178535-25-6 Benzene, ethylenated, residues, distn. lights		
Oral	LD50	>2,000 mg/kg (rat)
100-41-4 ethylbenzene		
Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 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.
- **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.

· 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

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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.
- **Ecotoxicological 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.

14 Transport information

- | | |
|----------------------------------|---|
| · 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. (Distillates (petroleum), hydrotreated light, Solvent naphtha (petroleum), light arom., XYLENES, ETHYLBENZENE) |

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· **Transport hazard class(es)**

· **DOT**



· **Class** 3 Flammable liquids
 · **Label** 3

· **IMDG, IATA**



· **Class** 3 Flammable liquids
 · **Label** 3

· **Packing group**

· **DOT, IMDG, IATA** III

· **Environmental hazards:**

· **Marine pollutant:** No

· **Special precautions for user**

Warning: Flammable liquids

· **Hazard identification number (Kemler code):** 30

· **EMS Number:** F-E,S-E

· **Stowage Category** A

· **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 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, ETHYLBENZENE), 3, III

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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
95-63-6	1,2,4-trimethylbenzene
100-41-4	ethylbenzene
91-20-3	naphthalene
98-82-8	cumene

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

All components have the value ACTIVE.

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

100-41-4	ethylbenzene
91-20-3	naphthalene
98-82-8	cumene

· **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
1330-20-7	xylene	I
95-63-6	1,2,4-trimethylbenzene	II
100-41-4	ethylbenzene	D
91-20-3	naphthalene	C, CBD
108-67-8	mesitylene	II
98-82-8	cumene	D, CBD

· **TLV (Threshold Limit Value)**

111-76-2	2-butoxyethanol	A3
1330-20-7	xylene	A4

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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
100-41-4	ethylbenzene

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

111-76-2	2-butoxyethanol
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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· **Issue Date** 23.03.2022· **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)

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

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 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2

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

· *** Data compared to the previous version altered.**