

Safety Data Sheet

Issue date: 17.03.2022

v 4

Last Revision Date: 17.03.2022

1 Identification

· Product identifier

· Trade name: **DieselTune MV3D Diesel Engine Detergent**

· Part number: 400-0010, 400-0009

· Application of the substance / the mixture

Cleaning agent/ Cleaner
diesel injector cleaner fuel additive

· 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.

Germ Cell Mutagenicity 1B H340 May cause genetic defects.

Carcinogenicity 1A H350 May cause cancer.

· 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:

Solvent naphtha (petroleum), light arom.
benzene

· Hazard statements

Flammable liquid and vapor.

May cause genetic defects.

May cause cancer.

· Precautionary statements

Obtain special instructions before use.

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

Use only outdoors or in a well-ventilated area.

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Use personal protective equipment as required.
 Call a poison center/doctor if you feel unwell.
 Do NOT induce vomiting.
 In case of fire: Use CO₂, sand, extinguishing powder to extinguish.
 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
 Restricted to professional users.

· **Other hazards**

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

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

64742-94-5	Solvent naphtha (petroleum), heavy arom.	25-50%
64742-95-6	Solvent naphtha (petroleum), light arom.	25-50%
108-11-2	4-methylpentan-2-ol	2.5-10%
111-76-2	2-butoxyethanol	2.5-10%
71-43-2	benzene	≤2.5%
91-20-3	naphthalene	≤2.5%
98-82-8	cumene	≤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 wash with water and soap and rinse thoroughly.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation continues, consult a doctor.

· **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.

Rinse mouth with water.

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If conscious, give small quantities of water to drink.

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Stop if victim feels sick.

Do not induce vomiting.

If symptoms persist consult doctor.

· **Information for doctor:**

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

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

Headache

Dizziness

Disorientation

Coughing

Nausea

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.

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.

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, 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.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Do not touch or walk through spilled material.

· **Environmental precautions:**

Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

Prevent from spreading (e.g. by damming-in or oil barriers).

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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- Dispose contaminated material as waste according to item 13.
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.
 - Keep in the original containers.
 - See section 8 for personal protective equipment.
 - Do not reuse container.
 - **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.
 - 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.
 - Protect from heat and direct sunlight.
- **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 ³ , 50 ppm Skin
REL (USA)	TWA: 24 mg/m ³ , 5 ppm Skin
TLV (USA)	TWA: 97 mg/m ³ , 20 ppm BEI

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EL (Canada)	TWA: 20 ppm
EV (Canada)	TWA: 20 ppm Skin
108-11-2 4-methylpentan-2-ol (2.5-10%)	
PEL (USA)	TWA: 100 mg/m ³ , 25 ppm Skin
REL (USA)	STEL: 165 mg/m ³ , 40 ppm TWA: 100 mg/m ³ , 25 ppm Skin
TLV (USA)	STEL: 167 mg/m ³ , 40 ppm TWA: 104 mg/m ³ , 25 ppm Skin
EL (Canada)	STEL: 40 ppm TWA: 25 ppm Skin
EV (Canada)	STEL: 167 mg/m ³ , 40 ppm TWA: 104 mg/m ³ , 25 ppm Skin
91-20-3 naphthalene (≤2.5%)	
PEL (USA)	TWA: 50 mg/m ³ , 10 ppm
REL (USA)	STEL: 75 mg/m ³ , 15 ppm TWA: 50 mg/m ³ , 10 ppm
TLV (USA)	TWA: 52 mg/m ³ , 10 ppm Skin; BEI
EL (Canada)	TWA: 10 ppm Skin; IARC 2B
EV (Canada)	STEL: 78 mg/m ³ , 15 ppm TWA: 52 mg/m ³ , 10 ppm
98-82-8 cumene (≤2.5%)	
PEL (USA)	TWA: 245 mg/m ³ , 50 ppm Skin
REL (USA)	TWA: 245 mg/m ³ , 50 ppm Skin
TLV (USA)	TWA: (246) NIC-0.5 mg/m ³ , (50) NIC-0.1 ppm NIC-A3
EL (Canada)	STEL: 75 ppm TWA: 25 ppm IARC 2B
EV (Canada)	TWA: 245 mg/m ³ , 50 ppm Skin
71-43-2 benzene (≤2.5%)	
PEL (USA)	STEL: 15* mg/m ³ , 5* ppm TWA: 3* mg/m ³ , 1* ppm *table Z-2 for exclusions in 29CFR1910.1028(d)
REL (USA)	STEL: 1 ppm TWA: 0.1 ppm See Pocket Guide App. A

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TLV (USA)	STEL: 8 mg/m ³ , 2.5 ppm TWA: 1.6 mg/m ³ , 0.5 ppm Skin; BEI
EL (Canada)	STEL: 2.5 ppm TWA: 0.5 ppm Skin; ACGIH A1; IARC 1
EV (Canada)	STEL: 2.5 ppm TWA: 0.5 ppm Skin

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 with hydrolysis
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71-43-2 benzene (≤2.5%)

BEI (USA)	25 µg/g creatinine Medium: urine Time: end of shift Parameter: S-Phenylmercapturic acid (background)
	500 µg/g creatinine Medium: urine Time: end of shift Parameter: t,t-Muconic acid (background)

· **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.
- Do not eat, drink, smoke or sniff while working.

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.

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Trade name: **DieselTune MV3D Diesel Engine Detergent**· **Body protection:** Protective work clothing

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9 Physical and chemical properties· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· Form:	Liquid
· Color:	Amber colored

· **Odor:** Petroleum-like· **Odor threshold:** Not determined.· **pH-value:** 10-11· **Change in condition**· **Melting point/Melting range:** Undetermined.· **Boiling point/Boiling range:** 131 °C· **Flash point:** 43 °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.· **Upper:** Not determined.· **Vapor pressure:** Not determined.· **Density at 20 °C:** 0.88 g/cm³· **Relative density at 20 °C** 0.85-0.91· **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:** Not determined.· **Solvent separation test**· **VOC content:** 40.10 %· **Other information**

No further relevant information available.

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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	12,121 mg/kg
Dermal	LD50	14,218 mg/kg
Inhalative	LC50/4 h (vapor)	>26.3 mg/L

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)

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

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

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)

71-43-2 benzene

Oral	LD50	4,894 mg/kg (rat)
Dermal	LD50	48 mg/kg (mouse)
Inhalative	LC50/4 h (vapor)	9,980 mg/L (mouse)

91-20-3 naphthalene

Oral	LD50	490 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rat)

98-82-8 cumene

Oral	LD50	1,400 mg/kg (rat)
Dermal	LD50	12,300 mg/kg (rabbit)
Inhalative	LC50/4 h (vapor)	24.7 mg/L (mouse)

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· **Primary irritant effect:**· **on the skin:** Irritant to skin and mucous membranes.· **on the eye:**

Irritating effect.

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

· **Inhalation:**Do not inhale, can cause respiratory system irritation.
coughing· **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

Carcinogenic.

The product can cause inheritable damage.

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

111-76-2	2-butoxyethanol	3
91-20-3	naphthalene	2B
98-82-8	cumene	2B
71-43-2	benzene	1

· **NTP (National Toxicology Program)**

91-20-3	naphthalene	R
98-82-8	cumene	R
71-43-2	benzene	K

· **OSHA-Ca (Occupational Safety & Health Administration)**

71-43-2	benzene	
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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)

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

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

14 Transport information

- | | |
|--|---|
| <ul style="list-style-type: none"> · UN-Number · DOT, ADR, IMDG, IATA · TDG | UN1993
UN1993 |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · TDG · IMDG, IATA | Flammable liquids, n.o.s. (Solvent naphtha (petroleum), light arom., Methyl isobutyl carbinol, 2-butoxyethanol)
Flammable liquids, n.o.s. (Solvent naphtha (petroleum), light arom., Methyl isobutyl carbinol, 2-butoxyethanol)
FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light arom., METHYL ISOBUTYL CARBINOL) |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | |
|  <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids
3 |
| <ul style="list-style-type: none"> · TDG · Class · Label | 3 Flammable liquids
3 |
| <ul style="list-style-type: none"> · IMDG, IATA | |
|  <ul style="list-style-type: none"> · Class | 3 Flammable liquids |

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· Label	3
· Packing group	
· DOT, IMDG, IATA	III
· TDG	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
· Size/package type:	LTD QTY, Consumer Commodity, ORM-D (473 mL/bottle)
· 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

91-20-3 naphthalene

98-82-8 cumene

71-43-2 benzene

· TSCA (Toxic Substances Control Act):

64742-95-6 Solvent naphtha (petroleum), light arom.

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64742-94-5	Solvent naphtha (petroleum), heavy arom.
111-76-2	2-butoxyethanol
108-11-2	4-methylpentan-2-ol
91-20-3	naphthalene
98-82-8	cumene
71-43-2	benzene

· Proposition 65

· Chemicals known to cause cancer:	
91-20-3	naphthalene
98-82-8	cumene
71-43-2	benzene
· Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for males:	
71-43-2	benzene
· Chemicals known to cause developmental toxicity:	
71-43-2	benzene

· Carcinogenic categories

· EPA (Environmental Protection Agency)		
111-76-2	2-butoxyethanol	NL
91-20-3	naphthalene	C, CBD
98-82-8	cumene	D, CBD
71-43-2	benzene	A, K/L

· TLV (Threshold Limit Value)

111-76-2	2-butoxyethanol	A3
91-20-3	naphthalene	A4
71-43-2	benzene	A1

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

71-43-2	benzene
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· Canadian substance listings:

· Canadian Domestic Substances List (DSL)	
All ingredients are listed.	
· Canadian Ingredient Disclosure list (limit 0.1%)	
71-43-2	benzene
· Canadian Ingredient Disclosure list (limit 1%)	
111-76-2	2-butoxyethanol
108-11-2	4-methylpentan-2-ol

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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**

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20/JUN/2017

· **Revision Changes:**

v 1.0 - original SDS release (01/OCT/2015)

v 2.0 - modification to section 9, added VOC content (18/DEC/2015)

v 3.0 - revised classification (20/JUN/2017)

v 4.0 revised classification (22/Oct/2018)

· **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

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

Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B

Carcinogenicity 1A: Carcinogenicity – Category 1A

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

NA