

Safety Data Sheet

Issue date: 17.03.2022

v 3

Last Revision Date: 17.03.2022

1 Identification

Product identifier

Trade name: **MOTORVAC MV-5 Fuel System Cleaner**

Part number: 400-0050

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 Aerosols 1	H222 Extremely flammable aerosol. Pressurized container. May burst if heated.
Gases under Pressure - Compressed gas	H280 Contains gas under pressure; may explode if heated.
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.

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.

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Causes serious eye irritation.

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.

· **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%

· **Other Ingredients**

	Proprietary Additive	2.5-10%
124-38-9	carbon dioxide	2.5-10%

· **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; consult doctor in case of complaints.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

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- **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:**
CO₂, 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.

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.

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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.

8 Exposure controls/personal protection

- **Control parameters**

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

1330-20-7 xylene (25-50%)

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

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
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

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TLV (USA)	STEL: 40 ppm TWA: 20 ppm
EL (Canada)	STEL: 40 ppm TWA: 25 ppm
EV (Canada)	STEL: 167 mg/m ³ , 40 ppm TWA: 104 mg/m ³ , 25 ppm Skin

64742-47-8 Distillates (petroleum), hydrotreated light (2.5-10%)

EL (Canada)	TWA: 200 mg/m ³ Skin
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124-38-9 carbon dioxide (2.5-10%)

PEL (USA)	TWA: 9000 mg/m ³ , 5000 ppm
REL (USA)	STEL: 54,000 mg/m ³ , 30,000 ppm TWA: 9000 mg/m ³ , 5000 ppm
TLV (USA)	STEL: 30,000 ppm TWA: 5000 ppm
EL (Canada)	STEL: 15000 ppm TWA: 5000 ppm
EV (Canada)	STEL: 54,000 mg/m ³ , 30,000 ppm TWA: 9,000 mg/m ³ , 5,000 ppm

· Ingredients with biological limit values:**1330-20-7 xylene (25-50%)**

BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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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)
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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.

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.

· **Upper:**

Not determined.

· **Vapor pressure:**

Not determined.

· **Density:**

Not determined.

· **Relative density**

Not determined.

· **Vapor density**

Not determined.

· **Evaporation rate**

Not applicable.

· **Solubility in / Miscibility with**· **Water:**

Partially miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

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· Viscosity:	
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· Solvent separation test	
· VOC content:	68.35-81.35 %
· 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:** 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	10,909-15,000 mg/kg
Dermal	LD50	4,878-6,061 mg/kg
Inhalative	LC50/4 h (vapor)	105-144 mg/L (gpg)
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)
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)
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.

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- **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)		
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

· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

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 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.
 - **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.

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· **Recommended cleansing agent:** Water, if necessary with cleansing agents.**14 Transport information**

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

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	Segregation as for the appropriate subdivision of class 2.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	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**

· Section 355 (extremely hazardous substances):		
None of the ingredients is listed.		
· Section 313 (Specific toxic chemical listings):		
1330-20-7	xylene	
111-76-2	2-butoxyethanol	
95-63-6	1,2,4-trimethylbenzene	
91-20-3	naphthalene	
· TSCA (Toxic Substances Control Act):		
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
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
· 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)**

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.

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

64741-66-8	Naphtha (petroleum), light alkylate
1330-20-7	xylene
111-76-2	2-butoxyethanol
108-11-2	4-methylpentan-2-ol
64742-47-8	Distillates (petroleum), hydrotreated light
124-38-9	carbon dioxide
64742-94-5	Solvent naphtha (petroleum), heavy arom.
95-63-6	1,2,4-trimethylbenzene
91-20-3	naphthalene
108-67-8	mesitylene
526-73-8	1,2,3-trimethylbenzene

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

111-76-2	2-butoxyethanol
108-11-2	4-methylpentan-2-ol

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124-38-9 carbon dioxide

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

- 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 Aerosols 1: Aerosols – Category 1

- Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas

- 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

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

NA