

## Safety data sheet

Issue date: 06.04.2022

Version 2

Last Revision: 06.04.2022

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
  - **Product name: Engine Oil Cleaner**
    - **Part number:** 206210
    - **Application of the substance / the mixture** engine crankcase cleaner
- **1.3 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

  - **SDS downloadable at:**
  - **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
- **1.4 Emergency telephone number:** CHEMTREC International +1 (703) 527-3887 24 hr

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3	H226 Flammable liquid and vapour.
Acute Tox. 4	H332 Harmful if inhaled.
Muta. 1B	H340 May cause genetic defects.
Carc. 1A	H350 May cause cancer.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
  - **Hazard pictograms**

		
GHS02	GHS07	GHS08
  - **Signal word** Danger
  - **Hazard-determining components of labelling:**  
Solvent naphtha (petroleum), light arom.  
Solvent naphtha (petroleum), heavy arom.  
2-butoxyethanol  
Distillates (petroleum), hydrotreated heavy naphthenic

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**· Hazard statements**

- H226 Flammable liquid and vapour.
- H332 Harmful if inhaled.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H304 May be fatal if swallowed and enters airways.
- H412 Harmful to aquatic life with long lasting effects.

**· Precautionary statements**

- P201 Obtain special instructions before use.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P405 Store locked up.
- P501 Dispose of contents in accordance with local regulations.

**· Additional information:**

For Professional Use Only  
 Restricted to professional users.  
 Restricted to professional users.

**· 2.3 Other hazards**

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

**SECTION 3: Composition/information on ingredients****· 3.2 Mixtures****· Chemical components:**

CAS: 64742-94-5 EINECS: 265-198-5	Solvent naphtha (petroleum), heavy arom. Asp. Tox. 1, H304	25-50%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304; Acute Tox. 4, H332	25-50%
CAS: 64742-52-5 EINECS: 265-155-0	Distillates (petroleum), hydrotreated heavy naphthenic Carc. 1B, H350	10-25%
CAS: 108-11-2 EINECS: 203-551-7	4-methylpentan-2-ol Flam. Liq. 3, H226; STOT SE 3, H335	2.5-10%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥2.5-<10%
CAS: 68649-42-3 EINECS: 272-028-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts Eye Dam. 1, H318; Aquatic Chronic 2, H411	≥1-<2.5%
CAS: 71-43-2 EINECS: 200-753-7	benzene Flam. Liq. 2, H225; Acute Tox. 1, H310; Muta. 1B, H340; Carc. 1A, H350; STOT RE 1, H372; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥0.1-≤2.5%
CAS: 91-20-3 EINECS: 202-049-5	naphthalene Carc. 2, H351; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302	≥0.25-<2.5%

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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures**· **4.1 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.

· **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 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 laying on their back should be turned onto their side.· **Information for doctor:** Treat Symptomatically· **4.2 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.

Breathing difficulty

Coughing

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.

· **4.3 Indication of any immediate medical attention and special treatment needed**

Medical supervision for at least 48 hours.

Treat Symptomatically

**SECTION 5: Firefighting measures**· **5.1 Extinguishing media**· **Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.· **5.2 Special hazards arising from the substance or mixture** See section 10 for additional information.· **5.3 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.

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**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.  
 Use respiratory protective device against the effects of fumes/dust/aerosol.  
 Avoid eye contact. Avoid repeated or prolonged skin contact.  
 Do not touch or walk through spilled material.

**· 6.2 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.  
 Prevent from spreading (e.g. by damming-in or oil barriers).  
 Take precautions to avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.  
 Do not allow product to reach sewage system or any water course.  
 Inform respective authorities in case of seepage into water course or sewage system.

**· 6.3 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.

**· 6.4 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.

**SECTION 7: Handling and storage****· 7.1 Precautions for safe handling**

Open and handle receptacle with care.  
 Avoid contact with the eyes and skin.  
 Avoid contact with clothing.  
 Use only in well ventilated areas.  
 Avoid splashes or spray in enclosed areas.  
 See section 8 for personal protective equipment.

**· Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.  
 Keep respiratory protective device available.

**· 7.2 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:**

Keep container tightly sealed.  
 Store in a cool place.  
 Store in cool, dry, dark place, away from direct sunlight.

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· **7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection**· **8.1 Control parameters**· **Ingredients with limit values that require monitoring at the workplace:****108-11-2 4-methylpentan-2-ol (2.5-10%)**

WEL	Short-term value: 170 mg/m <sup>3</sup> , 40 ppm Long-term value: 106 mg/m <sup>3</sup> , 25 ppm Sk
-----	-----------------------------------------------------------------------------------------------------------

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

WEL	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 123 mg/m <sup>3</sup> , 25 ppm Sk, BMGV
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**71-43-2 benzene (≥0.1-≤2.5%)**

WEL	Long-term value: 3.25 mg/m <sup>3</sup> , 1 ppm Carc; Sk
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**98-82-8 cumene (≥0.25-<2.5%)**

WEL	Short-term value: 250 mg/m <sup>3</sup> , 50 ppm Long-term value: 125 mg/m <sup>3</sup> , 25 ppm Sk
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· **Ingredients with biological limit values:****111-76-2 2-butoxyethanol (≥2.5-<10%)**

BMGV	240 mmol/mol creatinine Octanol-Water: urine 0.1: post shift 7.3: butoxyacetic acid
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· **Additional information:** The lists valid during the making were used as basis.· **8.2 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.

· **Respiratory protection:**

- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**

Chemical resistant protective gloves (EN 374)

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· **Eye protection:**

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

· **Body protection:** Protective work clothing**SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

- **Form:** Liquid
- **Colour:** Amber coloured
- **Odour:** Characteristic
- **Odour threshold:** Not determined.

· **pH-value at 20 °C:** 7.8· **Change in condition**

- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** 131 °C

· **Flash point:** 42.2 °C· **Flammability (solid, gas):** Not applicable.· **Ignition temperature:** 240 °C· **Decomposition temperature:** Not determined.· **Auto-ignition temperature:** Product is not selfigniting.· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.· **Explosion limits:**

- **Lower:** 0.7 Vol %
- **Upper:** 7.5 Vol %

· **Vapour pressure at 20 °C:** 5 hPa· **Density at 20 °C:** 0.88 g/cm<sup>3</sup>

- **Relative density** Not determined.
- **Vapour 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.

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**9.2 Other information**

No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Heat, open flames, sparks.
- **10.5 Incompatible materials:** Strong Oxidizers
- **10.6 Hazardous decomposition products:** May include, and are not limited to: oxides of carbon.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

- **Acute toxicity**  
Harmful if inhaled.

**LD/LC50 values relevant for classification:****ATE (Acute Toxicity Estimates)**

Oral	LD50	16,000 mg/kg
Dermal	LD50	>4,068 mg/kg
Inhalative	LC50/4 h (vapor)	>26.1 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	1,200 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)

**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)

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- **Primary irritant effect:**
  - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation**  
Based on available data, the classification criteria are not met.
  - **Inhalation:**  
Do not inhale , can cause respiratory system irritation.  
Serious effects may be delayed after exposure.
  - **Ingestion:**  
May be harmful if swallowed. May cause stomach distress, nausea or vomiting.  
May be fatal if swallowed and enter airways.
  - **Respiratory or skin sensitisation**  
Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
    - **Germ cell mutagenicity**  
May cause genetic defects.
    - **Carcinogenicity**  
May cause cancer.
    - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard**  
May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
  - **Aquatic toxicity:** Harmful to aquatic life with long lasting effects.
- **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential****108-11-2 4-methylpentan-2-ol**

Bioaccumulation 1.43 (-) (potential low)

- **12.4 Mobility in soil** No further relevant information available.
  - **Ecotoxicological effects:**
    - **Remark:** Harmful to fish
  - **Additional ecological information:**
    - **General notes:**  
Water hazard class 2 (German Regulation) (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
- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Other adverse effects** Avoid release to the environment.

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**SECTION 13: Disposal considerations**· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**· **14.1 UN-Number**

· ADR, IMDG, IATA

UN1993

· **14.2 UN proper shipping name**

· ADR

UN1993 FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light arom., BENZENE, METHYL ISOBUTYL CARBINOL)

· IMDG, IATA

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

· **14.3 Transport hazard class(es)**

· ADR



· Class

3 (F1) Flammable liquids.

· Label

3

· IMDG, IATA



· Class

3 Flammable liquids.

· Label

3

· **14.4 Packing group**

· ADR, IMDG, IATA

III

· **14.5 Environmental hazards:**

· Marine pollutant:

No

· **14.6 Special precautions for user**

Warning: Flammable liquids.

· Hazard identification number (Kemler code): 30

· EMS Number:

F-E,S-E

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· <b>Stowage Category</b>	A
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM., BENZENE, METHYL ISOBUTYL CARBINOL), 3, III

## SECTION 15: Regulatory information

### · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No GB REACH Annex XVII restrictions

Contains no GB REACH candidate substance

#### · Directive 2012/18/EU

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

#### · National regulations:

- **Additional classification according to Decree on Hazardous Materials, Annex II:**  
Carcinogenic hazardous material group III (dangerous).

#### · Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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**SECTION 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.

- **Issue Date:** June 24, 2015
- **Contact:**  
Engineering Department  
Engineering Department
- **Issue Date** 06.04.2022
- **Revision Changes:** v 1.0 - original release (June 24, 2015)
- **Abbreviations and acronyms:**  
ADR: Agreement concerning the International Carriage of Dangerous Goods by Road  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
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  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Liq. 3: Flammable liquids – Category 3  
Acute Tox. 1: Acute toxicity – Category 1  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Muta. 1B: Germ cell mutagenicity – Category 1B  
Carc. 1A: Carcinogenicity – Category 1A  
Carc. 1B: Carcinogenicity – Category 1B  
Carc. 2: Carcinogenicity – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term 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.**

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