

## Safety Data Sheet

Issue date: 07.04.2022

v 2

Last Revision Date: 31.07.2015

## 1 Identification

- **Product identifier**

- **Trade name: Silver Fuel System Cleaner**

- **Part number:** 201267

- **Application of the substance / the mixture** fuel injector cleaner

- **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.
Skin Irritation 2	H315	Causes skin irritation.
Specific Target Organ Toxicity - Single Exposure 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
Aquatic Chronic 2	H411	Toxic 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** Warning

- **Hazard-determining components of labeling:**

- Solvent naphtha (petroleum), light arom.
    - 1,2,4-trimethylbenzene

- **Hazard statements**

- Flammable liquid and vapor.
    - Causes skin irritation.
    - May cause respiratory irritation. May cause drowsiness or dizziness.
    - Toxic 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.
    - Keep container tightly closed.
    - Do not breathe fume/spray.
    - Wear protective gloves / eye protection / face protection.

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If swallowed: Immediately call a poison center/doctor.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a poison center/doctor if you feel unwell.

Store in a well-ventilated place. Keep cool.

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:**

64742-88-7	Solvent naphtha (petroleum), medium aliph.	50-100%
64742-95-6	Solvent naphtha (petroleum), light arom.	2.5-10%
95-63-6	1,2,4-trimethylbenzene	≤ 2.5%
1330-20-7	xylene	≤ 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; consult doctor in case of complaints.

· **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:** If symptoms persist consult doctor.

· **Information for doctor:** Treat Symptomatically

· **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 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.

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

Medical supervision for at least 48 hours.

**5 Fire-fighting measures**

- **Extinguishing media**
  - **Suitable extinguishing agents:** CO<sub>2</sub>, 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.  
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.
- **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.  
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.
- **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.  
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**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
See section 8 for personal protective equipment.
  - **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.

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Protect against electrostatic charges.

· **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 receptacle tightly sealed.

Store in cool, dry, dark place, away from 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:****95-63-6 1,2,4-trimethylbenzene ( $\leq 2.5\%$ )**REL (USA) TWA: 125 mg/m<sup>3</sup>, 25 ppmTLV (USA) TWA: 123 mg/m<sup>3</sup>, 25 ppm**1330-20-7 xylene ( $\leq 2.5\%$ )**PEL (USA) TWA: 435 mg/m<sup>3</sup>, 100 ppmREL (USA) STEL: 655 mg/m<sup>3</sup>, 150 ppmTWA: 435 mg/m<sup>3</sup>, 100 ppmTLV (USA) STEL: 651 mg/m<sup>3</sup>, 150 ppmTWA: 434 mg/m<sup>3</sup>, 100 ppm

BEI

EL (Canada) STEL: 150 ppm

TWA: 100 ppm

EV (Canada) STEL: 650 mg/m<sup>3</sup>, 150 ppmTWA: 435 mg/m<sup>3</sup>, 100 ppm· **Ingredients with biological limit values:****1330-20-7 xylene ( $\leq 2.5\%$ )**

BEI (USA) 1.5 g/g creatinine

Medium: urine

Time: end of shift

Parameter: Methylhippuric acids

· **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.· **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.

· **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:** Petroleum-like
- **Odor threshold:** Not determined.

· **pH-value:** Not determined.· **Change in condition**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.

· **Flash point:** Not applicable.· **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 at 20 °C** 0.75-0.80
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

- **Water:** Not miscible or difficult to mix.

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· **Partition coefficient (n-octanol/water):** 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/LC50 values that are relevant for classification:****64742-88-7 Solvent naphtha (petroleum), medium aliph.**

Oral	LD50	>6500 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
Inhalative	LC50/4 h (vapor)	>14 mg/L (rat)

**64742-95-6 Solvent naphtha (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)

**95-63-6 1,2,4-trimethylbenzene**

Oral	LD50	5000 mg/kg (rat)
Inhalative	LC50/4 h (vapor)	18 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)

· **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** May cause eye irritation.
- **Inhalation:** Serious effects may be delayed after exposure.
- **Ingestion:** May be fatal if swallowed and enter airways.

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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:

· <b>IARC (International Agency for Research on Cancer)</b>	
1330-20-7   xylene	3
· <b>NTP (National Toxicology Program)</b>	
None of the ingredients is listed.	
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	
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** 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

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· TDG	UN1993
· UN proper shipping name	
· DOT	Flammable liquids, n.o.s. (Turpentine substitute, Solvent naphtha (petroleum), light arom.)
· TDG	Flammable liquids, n.o.s. (Turpentine substitute, Solvent naphtha (petroleum), light arom.)
· IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (TURPENTINE SUBSTITUTE, Solvent naphtha (petroleum), light arom.)
· Transport hazard class(es)	
· DOT	
	
· Class	3 Flammable liquids
· Label	3
· TDG	
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids
· 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
· 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:

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1000 ml

· **UN "Model Regulation":** UN1993, Flammable liquids, n.o.s. (Turpentine substitute, Solvent naphtha (petroleum), light arom.), 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):**

95-63-6 | 1,2,4-trimethylbenzene

1330-20-7 | xylene

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

64742-88-7 | Solvent naphtha (petroleum), medium aliph.

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

95-63-6 | 1,2,4-trimethylbenzene

1330-20-7 | xylene

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

None of the ingredients is listed.

· **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)**

95-63-6 | 1,2,4-trimethylbenzene

II

1330-20-7 | xylene

I

· **TLV (Threshold Limit Value)**

1330-20-7 | xylene

A4

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

None of the ingredients is listed.

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· **Canadian substance listings:**

· <b>Canadian Domestic Substances List (DSL)</b>	
All ingredients are listed.	
· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b>	
95-63-6	1,2,4-trimethylbenzene
· <b>Canadian Ingredient Disclosure list (limit 1%)</b>	
None of the ingredients is listed.	

**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**

31.07.2015  
07/FEB/2017

· **Revision Changes:**

v 1.0 - original SDS release (31/JUL/2015)  
v 2.0 - revised section 2&3 (07/FEB/2017)

· **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  
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  
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

NA