

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012, and GHS Rev 03.

Printing date 11/18/2014

Reviewed on 11/18/2014

### 1 Identification

- **Product identifier**
- **Trade name: Graphenoil**
- **Product description** Graphenoil Oil System Cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Graphenoil  
16310 Hollister St.  
Houston, TX 77066  
Phone: 832-666-3143  
www.graphenoil.com
- **Emergency telephone number:** 832-666-3143

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.  
STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**
- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**

Proprietary Petroleum Distillates

- **Hazard statements**

Causes skin irritation.

May cause drowsiness or dizziness.

- **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Wash thoroughly after handling.

Specific treatment (see on this label).

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

Call a poison center/doctor if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMS-ratings (scale 0 - 4)**



### 3 Composition/information on ingredients

Trade Secret	5-10%
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· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous Components:**

Proprietary Petroleum Distillates	60-90%
⚠ Skin Irrit. 2, H315; STOT SE 3, H336	
Trade Secret	2-12%
⚠ Flam. Liq. 3, H226; Acute Tox. 4, H302; Acute Tox. 4, H332	

Proprietary Petroleum Distillates

Skin Irrit. 2, H315; STOT SE 3, H336

60-90%

Trade Secret

Flam. Liq. 3, H226; Acute Tox. 4, H302; Acute Tox. 4, H332

2-12%

· **Additional information:**

Trade Secret/Proprietary made in accordance with paragraph (i) of 1910.1200 of 29 CFR 1910.1200, the OSHA Communication Standard.

### 4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

· **After skin contact:**

Wash areas with soap and water.

If symptoms persist, consult a doctor.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:**

Do not induce vomiting.

Contact a physician or Poison Control Center immediately.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

### 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

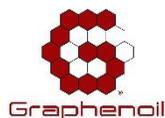
· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture.**

Combustible liquid. Vapors can travel to a source of ignition and flash back.

Explosive mixtures may occur at temperatures at or above flashpoint.

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· **Advice for firefighters**

· **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

· **Additional information**

Do not discharge extinguishing water into the aquatic environment.

Cool fire exposed containers with water.

### 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.

· **Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

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

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

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

· **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

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** Protect from heat.

· **Conditions for safe storage, including any incompatibilities.**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in a dry, cool and well-ventilated space away from heat and flame.

Keep container tightly closed.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Protect from heat and direct sunlight.

· **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters**

· **Components with occupational exposure limits:**

**Proprietary Petroleum Distillates**

OSHA PEL	Long-term value: 5 mg/m <sup>3</sup>
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**Trade Secret**

PEL	Long-term value: 465 mg/m <sup>3</sup> , 100 ppm
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REL	Long-term value: 465 mg/m <sup>3</sup> , 100 ppm
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TLV	Long-term value: 233 mg/m <sup>3</sup> , 50 ppm
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· **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.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** If heated vapors are present, a half face organics respirator is recommended.

· **Protection of hands:**



Protective gloves

· **Material of gloves** Latex or neoprene

· **Penetration time of glove material**

The exact break-through time must be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:** Tightly sealed goggles

· **Body protection:** Protective work clothing

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Liquid

**Color:** Clear Amber

· **Odor:** Low characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

**Melting point/Melting range:** Not determined.

**Boiling point/Boiling range:** 213 °C (415 °F)

· **Flash point:** 61 °C (142 °F)

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

· **Ignition temperature:** 210 °C (410 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Not determined.

· **Explosion limits:**

**Lower:** 0.5 Vol %

**Upper:** 6.5 Vol %

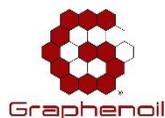
· **Vapor pressure @ 20 °C (68 °F):** 2 hPa (2 mm Hg)

· **Density @ 20 °C (68 °F):** 0.769 g/cm<sup>3</sup> (6.417 lbs/gal)

· **Relative density** Not determined.

· **Vapour density** Not determined.

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· <b>Evaporation rate:</b>	0.1 (Butyl acetate =1)
· <b>Solubility in / Miscibility with Water:</b>	Insoluble.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	3.0 %
<b>VOC content:</b>	3.0 %
· <b>Other information:</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**  
Carbon dioxide and carbon monoxide may form when heated to decomposition.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**  
Strong oxidizing agents.  
Strong acids
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

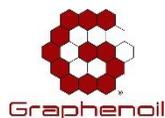
· <b>LD/LC50 values that are relevant for classification:</b>		
<b>Proprietary Petroleum Distillates</b>		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** Mild irritant effect.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**  
None of the ingredients are listed.

Group 1 - Carcinogenic to humans Group 2A - Probably carcinogenic to humans Group 2B - Possibly carcinogenic to humans Group 3 - Not classifiable as to its carcinogenicity to humans Group 4 - Probably not carcinogenic to humans
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### · **NTP (National Toxicology Program)**

None of the ingredients are listed.

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

None of the ingredients are listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **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:**  
Observe all federal, state, and local environmental regulations when disposing of this material. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging's:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary, with cleansing agents.

## 14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1268
- **ADN** Non-Regulated Material
- **UN proper shipping name**
- **DOT** Petroleum distillates, n.o.s.
- **ADR** UN1268 Petroleum distillates, n.o.s.
- **ADN** Non-Regulated Material
- **IMDG, IATA** PETROLEUM DISTILLATES, N.O.S.
- **Transport hazard class(es)**
- **DOT, ADR, IMDG, IATA**
- **Class** 3 Flammable liquids
- **Label** 3
- **ADN/R Class:** Non-Regulated Material
- **Packing group**
- **DOT, ADR, IMDG, IATA** III
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Flammable liquids
- **EMS Number:** F-E,S-E

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· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· <b>ADR</b>	
· <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>	UN1268, Petroleum distillates, n.o.s., 3, III

### 15 Regulatory information

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

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

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

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients are listed.

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

None of the ingredients are listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

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

Proprietary Petroleum Distillates

**· Hazard statements**

Causes skin irritation.

May cause drowsiness or dizziness.

**· Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Wash thoroughly after handling.

Specific treatment (see on this label).

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

Call a poison center/doctor if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**· National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

**· State Right to Know**

Proprietary Petroleum Distillates	60-90%
Skin Irrit. 2, H315; STOT SE 3, H336	
Trade Secret	5-10%
Trade Secret	2-12%
Flam. Liq. 3, H226; Acute Tox. 4, H302; Acute Tox. 4, H332	
All ingredients are listed.	

**· Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**· Date of preparation / last revision** 11/18/2014 / 2

**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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

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