SAFETY DATA SHEET
OIL ENHANCER

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: OIL ENHANCER
Product code: T1701

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Company name: GardX International Ltd
Unit 7, Clovelly Business Park, Clovelly Road
Southbourne, Emsworth
Hampshire
PO10 8PE
United Kingdom
Tel: 01243 376 426
Fax: 01243 370 909
Email: info@gardx.co.uk

1.4. Emergency telephone number

Emergency tel: 01405 768 815
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 3: H412; Eye Dam. 1: H318

Most important adverse effects: Causes serious eye damage. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H318: Causes serious eye damage.
H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS05: Corrosion

Signal words: Danger

Precautionary statements: P273: Avoid release to the environment.

[cont...]
SAFETY DATA SHEET
OIL ENHANCER

Page:  2

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor/first aid.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>PBT / WEL</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>265-155-0</td>
<td>64742-52-5</td>
<td>-</td>
<td>Asp. Tox. 1: H304</td>
<td>&gt;70%</td>
</tr>
<tr>
<td></td>
<td>64742-52-5</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ZINC DIALKYL DITHIOPHOSPHATE

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>PBT / WEL</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>288-917-4</td>
<td>85940-28-9</td>
<td>-</td>
<td>Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 2: H411</td>
<td>5-10%</td>
</tr>
</tbody>
</table>

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness. There may be severe pain. The vision may become blurred.

Ingestion: Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.
## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.
8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.
**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.
**Hand protection:** Protective gloves.
**Eye protection:** Ensure eye bath is to hand. Safety glasses with side-shields.
**Skin protection:** Protective clothing.

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **State:** Liquid
- **Colour:** Brown
- **Odour:** Characteristic odour
- **Evaporation rate:** Negligible
- **Oxidising:** Not applicable.
- **Solubility in water:** Insoluble
- **Also soluble in:** Most organic solvents.
- **Viscosity:** Oily
- **Kinematic viscosity:** 21.0
- **Viscosity test method:** Kinematic viscosity in 10-6 m2/s at 40°C (ISO 3104/3105)
- **Boiling point/range°C:** >200
- **Flammability limits %: lower:** No data available.
- **Flash point°C:** >93
- **Autoflammability°C:** >200
- **Relative density:** 0.930
- **VOC g/l:** Not applicable.
- **Melting point/range°C:** Not applicable.
- **upper:** No data available.
- **Part.coef. n-octanol/water:** Not applicable.
- **Vapour pressure:** No data available.
- **pH:** Not applicable.

9.2. Other information

- **Other information:** No data available.

Section 10: Stability and reactivity

10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4. Conditions to avoid

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition.

10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

### Section 11: Toxicological information

11.1. Information on toxicological effects

**Relevant hazards for substance:**

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Route</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/irritation</td>
<td>OPT</td>
<td>Hazardous: calculated</td>
</tr>
</tbody>
</table>

**Symptoms / routes of exposure**

- **Skin contact:** There may be mild irritation at the site of contact.
- **Eye contact:** There may be irritation and redness. There may be severe pain. The vision may become blurred.
- **Ingestion:** Nausea and stomach pain may occur. There may be vomiting and diarrhoea.
- **Inhalation:** Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### Section 12: Ecological information

12.1. Toxicity

**Ecotoxicity values:** No data available.

12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

12.4. Mobility in soil

**Mobility:** Non-volatile. Insoluble in water. Floats on water. Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

**Other adverse effects:** Harmful to aquatic organisms.

### Section 13: Disposal considerations
13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user’s attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:**

- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H411: Toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.