SECTION 1: Identification

1.1. Identification

Product form : Substance
Trade name : HANDY FLO 370
Product code : 83370

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Lucas-Milhaupt, Inc.
5656 South Pennsylvania Ave.
Cudahy, WI 53110 - USA
T (414)-769-6000
LM_SDSinfo@lucasmilhaupt.com - www.Lucasmilhaupt.com

1.4. Emergency telephone number

Emergency number : CHEMTREC within the USA and Canada: 1-800-424-9300
CHEMTREC outside the USA and Canada +1 701-741-5970

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Serious eye damage/eye irritation, Category 2  H319  Causes serious eye irritation.

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H319 - Causes serious eye irritation.
Precautionary statements (GHS-US) : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : HANDY FLO 370

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>(CAS-No.) 64742-47-8</td>
<td>44.63</td>
</tr>
<tr>
<td>Propylene carbonate</td>
<td>(CAS-No.) 108-32-7</td>
<td>31.88 - 32.41</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable
## SECTION 4: First-aid measures

4.1. **Description of first aid measures**
No additional information available

4.2. **Most important symptoms and effects (acute and delayed)**
No additional information available

4.3. **Immediate medical attention and special treatment, if necessary**
No additional information available

## SECTION 5: Fire-fighting measures

5.1. **Suitable (and unsuitable) extinguishing media**
No additional information available

5.2. **Specific hazards arising from the chemical**
No additional information available

5.3. **Special protective equipment and precautions for fire-fighters**
No additional information available

## SECTION 6: Accidental release measures

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

6.1.1. **For non-emergency personnel**
No additional information available

6.1.2. **For emergency responders**
No additional information available

6.2. **Environmental precautions**
No additional information available

6.3. **Methods and material for containment and cleaning up**
No additional information available

6.4. **Reference to other sections**
No additional information available

## SECTION 7: Handling and storage

7.1. **Precautions for safe handling**
No additional information available

7.2. **Conditions for safe storage, including any incompatibilities**
No additional information available

## SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Control parameter</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene carbonate (108-32-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light (64742-47-8)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. **Appropriate engineering controls**
No additional information available

8.3. **Individual protection measures/Personal protective equipment**
No additional information available

## SECTION 9: Physical and chemical properties

9.1. **Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
</tbody>
</table>

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Safety Data Sheet

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
No additional information available

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
No additional information available

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>Propylene carbonate (108-32-7)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>29000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 3000 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>29000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Petroleum distillates, hydrotreated light (64742-47-8)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 5.2 mg/l/4h</td>
</tr>
<tr>
<td>ATE US (vapours)</td>
<td>3 mg/l/4h</td>
</tr>
</tbody>
</table>

11/29/2017 EN (English) 3/5
SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1 (mg/l)</th>
<th>Exposure time: 96 h</th>
<th>Species</th>
<th>LC50 Daphnia 1 (mg/l)</th>
<th>Exposure time: 48 h</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene carbonate (108-32-7)</td>
<td>&gt; 1000</td>
<td></td>
<td>Cyprinus carpio [semi-static]</td>
<td>&gt; 500</td>
<td></td>
<td>Daphnia magna</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light (64742-47-8)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 fish 1</td>
<td>45</td>
<td>96 h</td>
<td>Pimephales promelas [flow-through]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>2.2</td>
<td>96 h</td>
<td>Lepomis macrochirus [static]</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene carbonate (108-32-7)</td>
<td>0.48</td>
<td>(at 25 °C)</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light (64742-47-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCF fish 1</td>
<td>61 - 159</td>
<td></td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

No additional information available

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not applicable

Transportation of Dangerous Goods
Not applicable

Transport by sea
Not applicable
SECTION 15: Regulatory information

15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene carbonate (108-32-7)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light (64742-47-8)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

15.2. International regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene carbonate (108-32-7)</td>
<td>Listed on the TCSI (Taiwan Chemical Substance Inventory)</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light (64742-47-8)</td>
<td>Listed on the TCSI (Taiwan Chemical Substance Inventory)</td>
</tr>
</tbody>
</table>

15.3. US State regulations

No additional information available

SECTION 16: Other information

Full text of H-statements:

| H319 | Causes serious eye irritation. |

SDS US (GHS HazCom 2012)

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Lucas-Milhaupt, Inc.