SECTION 1: Identification

1.1. Identification

Product form : Article
Trade name : HANDY FLO 245
Product code : 83-245

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 2A
H319 - Causes serious eye irritation.
Reproductive toxicity, Category 2
H361 - Suspected of damaging fertility or the unborn child.

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.
H361 - Suspected of damaging fertility or the unborn child.
Precautionary statements (GHS-US) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
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.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P337+P313 - IF eye irritation persists: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

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

Not applicable

3.2. Mixtures
### SECTION 1: Identification

**Product identifier**

<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>39.5</td>
</tr>
<tr>
<td>BORAX</td>
<td>(CAS-No.) 1303-96-4</td>
<td>1.33 - 13.25</td>
</tr>
</tbody>
</table>

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

### SECTION 4: First-aid measures

**4.1. Description of first aid measures**

<table>
<thead>
<tr>
<th>First-aid measures general</th>
<th>Description</th>
<th>First-aid measures after inhalation</th>
<th>Description</th>
<th>First-aid measures after skin contact</th>
<th>Description</th>
<th>First-aid measures after eye contact</th>
<th>Description</th>
<th>First-aid measures after ingestion</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IF exposed or concerned: Get medical advice/attention.</td>
<td>Remove person to fresh air and keep comfortable for breathing.</td>
<td>Wash skin with plenty of water.</td>
<td>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.</td>
<td>Call a poison center or a doctor if you feel unwell.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**4.2. Most important symptoms and effects (acute and delayed)**

Symptoms/effects after eye contact: Eye irritation.

**4.3. Immediate medical attention and special treatment, if necessary**

Treat symptomatically.

### SECTION 5: Fire-fighting measures

**5.1. Suitable (and unsuitable) extinguishing media**

- Suitable extinguishing media: Dry powder.
- Unsuitable extinguishing media: Water.

**5.2. Specific hazards arising from the chemical**

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

**5.3. Special protective equipment and precautions for fire-fighters**

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

**6.1.1. For non-emergency personnel**

Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes.

**6.1.2. For emergency responders**

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**6.2. Environmental precautions**

Avoid release to the environment.

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

Methods for cleaning up: Mechanically recover the product. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

**6.4. Reference to other sections**

For further information refer to section 13.

### SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

Precautions for safe handling: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions: Store locked up. Store in a well-ventilated place. Keep cool.
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (mg/m³)</th>
<th>ACGIH STEL (mg/m³)</th>
<th>NIOSH REL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(64742-47-8)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BORAX (1303-96-4)</td>
<td>2 mg/m³</td>
<td>6 mg/m³</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH TWA (mg/m³)</td>
<td>2 mg/m³ (inhalable particulate matter)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH STEL (mg/m³)</td>
<td>6 mg/m³ (inhalable particulate matter)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of inadequate ventilation] wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>
9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Petroleum distillates, hydrotreated light (64742-47-8)

LD50 oral rat > 5000 mg/kg
LD50 dermal rabbit > 2000 mg/kg
LC50 inhalation rat (mg/l) > 5.2 mg/l/4h
ATE US (vapours) 3 mg/l/4h

BORAX (1303-96-4)

LD50 oral rat 3493 mg/kg
LD50 dermal rabbit > 10000 mg/kg
LC50 inhalation rat (mg/l) > 2 mg/m³ (Exposure time: 4 h)
ATE US (oral) 3493 mg/kg bodyweight

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Symptoms/effects after eye contact : Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Petroleum distillates, hydrotreated light (64742-47-8)

LC50 fish 1 45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2 2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential

**Petroleum distillates, hydrotreated light (64742-47-8)**

| BCF fish | 61 - 159 |

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
Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.

**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

Air transport
Not applicable

**SECTION 15: Regulatory information**

15.1. US Federal regulations

- **Petroleum distillates, hydrotreated light (64742-47-8)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

- **BORAX (1303-96-4)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

- **Petroleum distillates, hydrotreated light (64742-47-8)**
  - Listed on the TCSI (Taiwan Chemical Substance Inventory)

- **BORAX (1303-96-4)**
  - Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

- **BORAX (1303-96-4)**
  - U.S. - Massachusetts - Right To Know List
  - U.S. - Pennsylvania - RTK (Right to Know) List
SECTION 16: Other information

Full text of H-statements:

<table>
<thead>
<tr>
<th>H319</th>
<th>Causes serious eye irritation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H361</td>
<td>Suspected of damaging fertility or the unborn child.</td>
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</table>

SDS US (GHS HazCom 2012)

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Lucas-Milhaupt, Inc.