1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product Identity
Omnilube 455

Alternate Names

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use
Food grade oil - Complies with FDA 21 CFR 178.3570 (H-1)

Application Method
See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name
Ultrachem Inc.
900 Centerpoint Blvd.
New Castle, Delaware 19720
USA

Emergency
CHEMTREC (USA)
(800) 424-9300
Customer Service: Ultrachem Inc.
Phone: (302) 325-9880
Fax: (302) 325-0335

2. Hazard identification of the product

2.1. Classification of the substance or mixture
No applicable GHS categories.

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.
No applicable GHS categories.

[Prevention]:
No GHS prevention statements

[Response]:
No GHS response statements

[Storage]:
No GHS storage statements

[Disposal]:
No GHS disposal statements
3. Composition/information on ingredients

This product is considered a mixture.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dec-1-ene, homopolymer, hydrogenated</td>
<td>75 - 100</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>CAS Number: 0060037-01-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-Octene homopolymer, Hydrogenated</td>
<td>10 - 25</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>CAS Number: 0070893-43-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[1] Substance classified with a health or environmental hazard.
*The full texts of the phrases are shown in Section 16.

This formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been wit secrets are allowable per paragraph (i) of 29 CFR 1910.1200 as long as specific chemical identity and exact percentage composition are available to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

4. First aid measures

4.1. Description of first aid measures

General
In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes
Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion
If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Overview
See section 2 for further details.

5. Fire-fighting measures

5.1. Extinguishing media
Dry chemical, foam, carbon dioxide or water spray.

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition: None under normal use.

5.3. Advice for fire-fighters
In the event of fire, wear full protective clothing and NIOSH Approved Self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapors.

ERG Guide No. ----
6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate personnel to safe areas. Use personal protective equipment.

6.2. Environmental precautions
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up
Use a non-combustible material like vermiculite, sand or earth to soak up product and place in a container for later disposal.
Dike for disposal and cover with wet sand or earth.

7. Handling and storage

7.1. Precautions for safe handling
See section 2 for further details.

7.2. Conditions for safe storage, including any incompatibilities
Handle containers carefully to prevent damage and spillage.
Store in a cool dry place.
Keep containers tightly closed.
Incompatible materials: Incompatible with strong oxidizing agents
See section 2 for further details.

7.3. Specific end use(s)
No data available.

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0070693-43-5</td>
<td>1-Octene Homopolymer, Hydrogenated</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0068037-01-4</td>
<td>Dec-1-ene, homopolymer, hydrogenated</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>
Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0070693-43-5</td>
<td>1-Octene Homopolymer, Hydrogenated</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>0066037-01-4</td>
<td>Deca-1-ene, homopolymer, hydrogenated</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Safety glasses with side shields

Skin Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. Physical and chemical properties

Appearance Clear and bright
Odor Mild
Odor threshold Not Measured
pH Not Measured
Melting point / freezing point Not Measured
Pour Point (°C/°F) -50/-58
Initial boiling point and boiling range Not Measured
Flash Point 275°C / 526°F
Evaporation rate (Ether = 1) Not Measured
Flammability (solid, gas) Not Applicable
Upper/lower flammability or explosive limits Lower Explosive Limit: Not Measured
Upper Explosive Limit: Not Measured
Vapor pressure (Ps) Not Measured
Vapor Density Not Measured
Specific Gravity 0.85
Solubility in Water Not Measured
Partition coefficient n-octanol/water (Log Kow) Not Measured
Auto-ignition temperature Not Measured
Decomposition temperature  Not Measured
Viscosity (cSt @ 40ºC)  98.7 cSt @ 40C
VOC %  Not Measured

9.2. Other information
No other relevant information.

10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
None known

10.5. Incompatible materials
Incompatible with strong oxidizing agents

10.6. Hazardous decomposition products
None under normal use.

11. Toxicological information

Acute toxicity

Product is safe for intended use based on the formulation, testing results and the long history of safe consumer use.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LD50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LD50, mg/L/4hr</th>
<th>Inhalation Gas LD50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dec-1-ene, homopolymer, hydrogenated - (68037-01-4)</td>
<td>&gt; 5,000.00, Rat - Category: NA</td>
<td>3,000.00, Rabbit - Category: 5</td>
<td>No data available</td>
<td>4,800.00, Rat - Category: NA</td>
<td>No data available</td>
</tr>
<tr>
<td>1-Octene Homopolymer, Hydrogenated – (70693-43-5)</td>
<td>&gt; 5,000.00, Rat - Category: NA</td>
<td>3,000.00, Rabbit - Category: 5</td>
<td>No data available</td>
<td>4,800.00, Rat - Category: NA</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Ingredient</td>
<td>96 hr LC50 fish, mg/l</td>
<td>48 hr EC50 crustacea, mg/l</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>-----------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Dec-1-ene, homopolymer, hydrogenated - (68037-01-4)</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>1-Octene Homopolymer, Hydrogenated – (70693-43-5)</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

### 12. Ecological information

#### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

**Aquatic Ecotoxicity**

#### 12.2. Persistence and degradability

There is no data available on the preparation itself.

#### 12.3. Bioaccumulative potential

Not Measured

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

#### 12.6. Other adverse effects

No data available.

### 13. Disposal considerations

#### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

### 14. Transport information

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
</table>


14.1. UN number
Not Applicable
14.2. UN proper shipping name
Not Regulated
14.3. Transport hazard class(es)
DOT Hazard Class: Not Applicable
IMDG: Not Applicable
Sub Class: Not Applicable
Not Applicable
14.4. Packing group
Not Applicable
14.5. Environmental hazards
IMDG
Marine Pollutant: No
14.6. Special precautions for user
No further information

15. Regulatory information

Regulatory Overview
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)
All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification
Not Regulated

US EPA Tier II Hazards
Fire: No
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): No
Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:
(No Product Ingredients Listed)

EPCRA 302 Extremely Hazardous :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals:
(No Product Ingredients Listed)

Proposition 65 - Carcinogens (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%):
(No Product Ingredients Listed)

N.J. RTK Substances (>1%):
(No Product Ingredients Listed)

Penn RTK Substances (>1%):
(No Product Ingredients Listed)
16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is: Not Applicable

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

The information provided on the SDS is a correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Document