1. Chemical Product and Company Identification

Dekker Vacuum Technologies, Inc.
935 South Woodland Avenue
Michigan City, IN 46360-5672
(219)861-0661

Product Trade Name: VMAXOL STYRENE – (5 Gal) 5220-0050-002, (55 Gal) 5220-0550-002
CAS Number: Not applicable for mixtures.
Synonyms: None.
Generic Chemical Name: Mixture.
Product Type: Multipurpose.

2. Hazards Identification

Hazard Classification

Health Hazards

Aspiration Hazard: Category 1

Unknown toxicity

- Acute toxicity, oral: 0.0 %
- Acute toxicity, dermal: 0.0 %
- Acute toxicity, inhalation, vapor: 100.0 %
- Acute toxicity, inhalation, dust or mist: 60.2%

Label Elements:
- Hazard Symbol: 
- Signal Word: Danger
- Hazard Statement: May be fatal if swallowed and enters airways.

Precautionary Statement:

Response:
- IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- Do NOT induce vomiting.

Storage:
- Store locked up.

Disposal:
- Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification:
- None identified.

See Section 11 for complete health hazard information.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>Percent by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td>72623-87-1</td>
<td>30 - 40%</td>
</tr>
<tr>
<td>Mineral oil</td>
<td>8042-47-5</td>
<td>20 - 30%</td>
</tr>
<tr>
<td>Mineral oil</td>
<td>72623-86-0</td>
<td>20 - 30%</td>
</tr>
</tbody>
</table>
4 First Aid Measures

Ingestion: Do not induce vomiting. Aspiration of material due to vomiting can cause chemical pneumonitis which can be fatal. If vomiting occurs naturally, the casualty should lean forward to reduce the risk of aspiration. Immediately call the Poison Center or doctor/physician.

Inhalation: Remove exposed person to fresh air if adverse effects are observed.

Skin Contact: Wash with soap and water. Get medical attention if symptoms occur. Launder contaminated clothing before reuse.

Eye Contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

Most important symptoms/effects, acute and delayed
Symptoms: See section 11.

Indication of immediate medical attention and special treatment needed
Treatment: Treat symptomatically.

5 Fire Fighting Measures

Specific hazards arising from the chemical: A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information.

Special protective equipment and precautions for firefighters
Special fire fighting procedures: No data available
Special protective equipment For fire fighters: Recommend wearing self-contained breathing apparatus.

6 Accidental Release Measures

Personal precautions, protective Equipment and emergency Procedures: No data available

Methods and material for containment And cleaning up: Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

Environmental Precautions: Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.

7 Handling and Storage

Precautions for safe handling: Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Use grounding and bonding connection when transferring material. In case of spills, beware of slippery floors and surfaces. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment.

Maximum Handling Temperature: Not determined.

Conditions for safe storage, Including any incompatibilities: Store away from incompatible materials. See section 10 for incompatible materials.

Maximum Storage Temperature: Not determined.

8 Exposure Controls/Personal Protection

Control Parameters:

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil - Inhalable fraction</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>US. ACGIH Threshold Limit Values (03 2014)</td>
</tr>
</tbody>
</table>
Mineral oil - Inhalable fraction. TWA 5 mg/m³ US. ACGIH Threshold Limit Values (03 2014)

Mineral oil - Mist. REL 5 mg/m³ US. NIOSH: Pocket Guide to Chemical Hazards (2010)

Mineral oil - Mist. STEL 10 mg/m³ US. NIOSH: Pocket Guide to Chemical Hazards (2010)

Mineral oil - Mist. PEL 5 mg/m³ US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

Mineral oil - Inhalable fraction. TWA 5 mg/m³ US. ACGIH Threshold Limit Values (03 2014)

Mineral oil - Inhalable fraction. TWA 5 mg/m³ US. ACGIH Threshold Limit Values (02 2012)

Appropriate engineering controls: No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment

<table>
<thead>
<tr>
<th>Protection Type</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>General information</td>
<td>Use personal protective equipment as required.</td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>If contact is likely, safety glasses with side shields are recommended.</td>
</tr>
<tr>
<td>Skin Protection</td>
<td></td>
</tr>
<tr>
<td>Hand Protection</td>
<td>Nitrile. Use nitrile or neoprene gloves. Use good industrial hygiene practices.</td>
</tr>
<tr>
<td></td>
<td>In case of skin contact, wash hands and arms with soap and water. Gloves should always be inspected before each use and discarded if they show tears, pinholes, or signs of wear.</td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>Respiratory Protection</td>
<td>Use disposable dust/mist mask if the recommended exposure limit is exceeded. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.</td>
</tr>
</tbody>
</table>

9 Physical and Chemical Properties

Flash Point: 420.1 °F (215.6 °C) (Cleveland Open Cup)
Evaporation rate: No data available.
Flammability (solid, gas): No data available.
Upper/lower limit on flammability or explosive limits

| Flammability limit - upper (%) | No data available. |
| Flammability limit - lower (%) | No data available. |

Explosive limit - upper (%): No data available.
Explosive limit - lower (%): No data available.
Vapor pressure: No data available.
Vapor density: No data available.
Relative density: 0.86 68 °F (20 °C)
Solubility (other): Insoluble in water
Partition coefficient (n-octanol/water): No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available.
Other information

Bulk density: 7.19 lb/gal

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10 Stability and Reactivity

Reactivity: No data available.
Chemical Stability: Material is stable under normal conditions.
Possibility of Hazardous Reactions: Will not occur.
Conditions to Avoid: Do not expose to excessive heat, ignition sources, or oxidizing materials.
Hazardous Decomposition Products: Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11 Toxicological Information

Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No data available.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No data available.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

Page | 3
Eye contact: No data available.

Information on toxicological effects Acute toxicity
Oral Product: Not classified for acute toxicity based on available data. Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs and death.
Dermal Product: Not classified for acute toxicity based on available data.
Inhalation Product: Not classified for acute toxicity based on available data.
Skin Corrosion/Irritation: Product: Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Remarks: Not classified as a primary skin irritant.
Serious Eye Damage/Eye Irritation: Product: Remarks: Not classified as a primary eye irritant.
Respiratory sensitization: No data available
Skin sensitization: Mineral oil Classification: Not a skin sensitizer. (Literature) Not a skin sensitizer.
Specific Target Organ Toxicity - Single Exposure: Mineral oil If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.
Aspiration Hazard: Product: May be fatal if swallowed and enters airways.

Chronic Effects Carcinogenicity: This product contains mineral oils which are severely refined and not considered carcinogenic. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
Mineral oil All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified
Germ Cell Mutagenicity: No data available
Reproductive toxicity: No data available
Specific Target Organ Toxicity - Repeated Exposure: No data available

<table>
<thead>
<tr>
<th>12</th>
<th>Ecological Information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Fish</strong></td>
</tr>
<tr>
<td></td>
<td>Mineral oil</td>
</tr>
<tr>
<td></td>
<td>Mineral oil</td>
</tr>
<tr>
<td></td>
<td>Aquatic Invertebrates</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
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<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Toxicity to Aquatic Plants</strong></td>
</tr>
<tr>
<td></td>
<td>Mineral oil</td>
</tr>
<tr>
<td></td>
<td>Mineral oil</td>
</tr>
<tr>
<td></td>
<td><strong>Toxicity to soil dwelling organisms</strong></td>
</tr>
<tr>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>
Sediment Toxicity  
No data available

Toxicity to Terrestrial Plants  
No data available

Toxicity to Above-Ground Organisms  
No data available

Toxicity to microorganisms  
No data available

Persistence and Degradability Biodegradation

<table>
<thead>
<tr>
<th>Substance</th>
<th>OECD TG</th>
<th>%</th>
<th>d</th>
<th>Degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil</td>
<td>301 F</td>
<td>31</td>
<td>28</td>
<td>Not readily degradable.</td>
</tr>
<tr>
<td></td>
<td>301 B</td>
<td>2</td>
<td>28</td>
<td>Not readily degradable.</td>
</tr>
<tr>
<td></td>
<td>301 F</td>
<td>31.13</td>
<td>28</td>
<td>Not readily degradable.</td>
</tr>
<tr>
<td></td>
<td>301 F</td>
<td>31</td>
<td>28</td>
<td>Not readily degradable.</td>
</tr>
</tbody>
</table>

Bioaccumulative Potential

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioconcentration Factor (BCF)</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition Coefficient n-octanol / water (log Kow)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Mobility:  
No data available

Other Adverse Effects:  
No data available.

13 Disposal Considerations

Disposal instructions:  
Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Contaminated Packaging:  
Container packaging may exhibit hazards.

14 Transport Information

DOT:  
Not regulated.

IMDG:  
Not regulated.

IATA:  
Not regulated.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:  
None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Review classification requirements before shipping materials at elevated temperatures.

15 Regulatory Information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)  
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)  
Hazard categories:  
None known.

SARA 302 Extremely Hazardous Substance
SARA 304 Emergency Release Notification
SARA 311/312 Hazardous Chemical
SARA 313 (TRI Reporting)

US State Regulations

US. California Proposition 65  
This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Ethyl acrylate 0.00%

Inventory Status

Australia (AICS)  
All components are in compliance with chemical notification requirements in Australia.

Canada (DSL/NDSL)  
All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

China (IECSC)  
All components of this product are listed on the Inventory of Existing Chemical Substances in China.

Japan (ENCS)  
All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL)  
All components are in compliance in Korea.

New Zealand (NZIoC)  
All components are in compliance with chemical notification requirements in New Zealand.

Philippines (PICCS)  
All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

Switzerland (SWISS)  
All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Taiwan (TCSCA)
All components of this product are listed on the Taiwan inventory.

United States (TSCA)
All components of this material are on the US TSCA Inventory.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

### Other Information

#### HMIS Hazard ID

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

#### NFPA Hazard ID

![Hazard Rating Diagram]

- Flammability
- Health
- Reactivity
- Special hazard.

**Revision:** All: Reformat to SDS Requirements 14 September 2015

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