SAFETY DATA SHEET VMAXOL STD 22


1 Chemical Product and Company Identification

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

Product Trade Name VMAXOL STD 22 - (GAL) 5220-0010-000, (5 GAL) 5220-0050-000, (55 GAL) 5220-0550-000, (330 GAL) 5220-3300-000
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

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

Hazardous Ingredients This material has no known hazards under applicable laws.

4 First Aid Measures

Eyes Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.
Skin Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
Inhalation Remove exposed person to fresh air if adverse effects are observed.
Oral DO NOT INDUCE VOMITING. Get immediate medical attention.
Additional Information Note to physician: Treat symptomatically.

5 Fire Fighting Measures

Flash Point >=226 °C, 440.1 °F ASTM D 92 (Typical)
Extinguishing Media CO2, dry chemical, or foam. Water can be used to cool and protect exposed material.
Firefighting Procedures Recommend wearing self-contained breathing apparatus.
### Unusual Fire & Explosion Hazards
See section 10 for additional information.

<table>
<thead>
<tr>
<th>6</th>
<th>Accidental Release Measures</th>
</tr>
</thead>
</table>

#### Spill Procedures
Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

<table>
<thead>
<tr>
<th>7</th>
<th>Handling and Storage</th>
</tr>
</thead>
</table>

#### Pumping Temperature
Not determined.

#### Maximum Handling Temperature
Not determined.

#### Handling Procedures
Keep containers closed when not in use. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

#### Maximum Storage Temperature
Not determined.

#### Storage Procedures
See section 10 for incompatible materials.

#### Maximum Loading Temperature
Not determined.

<table>
<thead>
<tr>
<th>8</th>
<th>Exposure Controls/Personal Protection</th>
</tr>
</thead>
</table>

#### Exposure Limits
None established

#### Other Exposure Limits
Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH TWA of 5 mg per cubic meter.

#### Engineering Controls
Use with adequate ventilation.

#### Gloves Procedures
Nitrile.

#### Eye Protection
Safety Glasses.

#### Respiratory Protection
Use NIOSH/MSHA approved respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

#### Clothing Recommendation
Long sleeve shirt is recommended. Launder contaminated clothing before reuse.

<table>
<thead>
<tr>
<th>9</th>
<th>Physical and Chemical Properties</th>
</tr>
</thead>
</table>

#### Flash Point
\( \geq 226 ^\circ C , 440.1 ^\circ F \) ASTM D 92 (Typical)

#### Upper Flammable Limit
Not determined.

#### Lower Flammable Limit
Not determined.

#### Autoignition Point
Not determined.

#### Explosion Data
Material does not have explosive properties.

#### Vapor Pressure
Not determined.

#### pH
Not determined.

#### Specific Gravity
0.85 (20 \(^\circ C\))

#### Bulk Density
7.05 Lb/gal, 0.84 Kg/L

#### Water Solubility
Insoluble.

#### Percent Solid
Not determined.

#### Percent Volatile
Not determined.

#### Volatile Organic Compound
Not determined.

#### Vapor Density
Not determined.

#### Evaporation Rate
Not determined.

#### Odor
Mild

#### Appearance
Clear to yellow liquid.

#### Viscosity
21.5 Centistokes (40 \(^\circ C\))
4.3 Centistokes (100 \(^\circ C\))

#### Odor Threshold
Not determined.

#### Boiling Point
Not determined.

#### Pour Point Temperature
Not determined.

#### Melting / Freezing Point
Not determined

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

<table>
<thead>
<tr>
<th>10</th>
<th>Stability and Reactivity</th>
</tr>
</thead>
</table>

#### Stability
Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature: Not determined.
Incompatibility: Strong acids. Oxidizing agents.
Polymerization: Will not occur.
Thermal Decomposition: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.
Conditions to Avoid: Not determined.

--- ACUTE EXPOSURE ---
Eye Irritation: Not expected to cause eye irritation. Based on data from components or similar materials.
Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or similar materials. 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.
Respiratory Irritation: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.
Dermal Toxicity: The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity: No data available to indicate product or components may be a toxic inhalation hazard.
Oral Toxicity: The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials.
Dermal Sensitization: No data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization: No data available to indicate product or components may be respiratory sensitizers.

--- CHRONIC EXPOSURE ---
Chronic Toxicity: No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity: This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity: No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity: No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

--- ADDITIONAL INFORMATION ---
Other: No other health hazards known.

--- ENVIRONMENTAL TOXICITY ---
Freshwater Fish Toxicity: The acute LC50 is 100 - 1000 mg/L based on component data.
Freshwater Invertebrates Toxicity: The acute EC50 is 100 - 1000 mg/L based on component data. Chronic effects expected at 10 - 100 mg/L based on component data.
Algal Inhibition: The acute EC50 is 100 - 1000 mg/L based on component data.
Saltwater Fish Toxicity: Not determined.
Saltwater Invertebrates Toxicity: Not determined.
Bacteria Toxicity: Not determined.
Miscellaneous Toxicity: Not determined.

--- ENVIRONMENTAL FATE ---
Biodegradation: At least 25% of the components in this product show moderate biodegradation based on OECD 301-type test data.
Bioaccumulation: Less than 1.0% of the components potentially bioconcentrate, based on octanol/water coefficients.
Soil Mobility: Not determined.

Waste Disposal: This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

--- TRANSPORT INFORMATION ---
ICAO/IATA I: Not regulated.
ICAO/IATA II: Not regulated.
IMDG: Not regulated.
IMDG EMS Fire: Not applicable.
IMDG EMS Spill: Not applicable.
IMDG MFAG: Not applicable.
SAFETY DATA SHEET VMAXOL STD 22

MARPOL Annex II: Not determined.
USCG Compatibility: Not determined.
U.S. DOT Bulk: Not regulated.
DOT NAERG: Not applicable.
U.S. DOT Intermediate NAERG: Not applicable.
U.S. DOT Non-Bulk: Not regulated.
U.S. DOT Non-Bulk NAERG: Not applicable.
Canada: Not regulated.
Mexico: Not regulated.

### Bulk Quantity
85000 KG, 187391 lbs.

### Intermediate Quantity
11000 KG, 24251 lbs.

### Non-Bulk Quantity
400 KG, 882 lbs.

Review classification requirements before shipping materials at elevated temperatures.

<table>
<thead>
<tr>
<th>15</th>
<th>Regulatory Information</th>
</tr>
</thead>
<tbody>
<tr>
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**Global Chemical Inventories**

**USA**
All components of this material are on the US TSCA Inventory or are exempt.

**Other TSCA Reg.**
None known.

**Japan**
All components are in compliance with the Chemical Substances Control Law of Japan.

**SARA 311 Classifications**

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Classifications</th>
</tr>
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<tbody>
<tr>
<td>Acute Hazard</td>
<td>No</td>
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<tr>
<td>Chronic Hazard</td>
<td>No</td>
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<tr>
<td>Fire Hazard</td>
<td>No</td>
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<tr>
<td>Reactivity Hazard</td>
<td>No</td>
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**Australia**
All components are in compliance with chemical notification requirements in Australia.

**New Zealand**
All components are in compliance with chemical notification requirements in New Zealand.

**Canada**
All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

**Switzerland**
All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

**Korea**
All components are in compliance in Korea.

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

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

**Taiwan**
All components of this product are listed on the Taiwan inventory.

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**Other U.S. Federal Regulations**

**SARA Ext. Haz. Subst.**
This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

**SARA Section 313**
This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

**CERCLA Hazardous Substances**
None known.

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**State Regulations**

**Cal. Prop. 65**
This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

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**Product Registrations**

**U.S. Fuel Registration**
Not applicable.

**Finnish Registration Number**
Not Registered

**Swedish Registration Number**
Not Registered

**Norwegian Registration Number**
Not Registered

**Danish Registration Number**
Not Registered

**Swiss Registration Number**
Not Registered

**Italian Registration Number**
Not Registered

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**Other / International**

**Miscellaneous Regulatory Information**
Not determined.
## 16 Other Information

### US NFPA Codes

<table>
<thead>
<tr>
<th></th>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
<th>Special</th>
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<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>N/E</td>
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(N/E) - None established

### HMIS Codes

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<tr>
<th></th>
<th>Health</th>
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<th>Reactivity</th>
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### Precautionary Labels

This material has no known health hazards.

### Revision Indicators

- Section: 7 Handling procedures 21 March 2013
- Section: 10 Incompatibility 21 March 2013
- Section: 12 Algae toxicity 23 August 2013
- All: Reformat to SDS Requirements 12 May 2015
- Section: 2 Updated to include GHS requirements 29 March 2016
- Section 1: 55 gallon drum part number 25 September 2019

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