



Prepared according to 29CFR 1910.1200.

1	Chemical Product and Company Identification
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Dekker Vacuum Technologies, Inc.
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Product Trade Name POLYGLYCOL 22CS - (5 Gal) 5240-0050-000, (55 Gal) 5240-0550-000
CAS Number Not applicable for mixtures.
Synonyms None.
Generic Chemical Name Mixture.
Product Type Multipurpose.

2	Hazards Identification
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Hazard Classification
Health Hazards Not Classified

Label Elements:
Hazard Symbol: No symbol
Signal Word: No signal word
Hazard Statement: Not applicable

Precautionary Statement: Not applicable

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

See Section 11 for complete health hazard information.

3	Composition/Information on Ingredients
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General information: The components are not hazardous or are below required disclosure limits.

4	First Aid Measures
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Ingestion: Treat symptomatically. Get medical attention.
Inhalation: Remove exposed person to fresh air if adverse effects are observed.
Skin Contact: Wash with soap and water. If skin irritation occurs, get medical attention.
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
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General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: CO2, dry chemical, foam, water spray, water fog.
Unsuitable extinguishing media: Not determined.

Specific hazards arising from the chemical: 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
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Personal precautions, protective equipment and emergency procedures:

Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.

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
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Precautions for safe handling: Product can accumulate static charge when handled. 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
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Control Parameters:

Occupational Exposure Limits None of the components have assigned exposure limits.

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

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required

Eye/face protection: If contact is likely, safety glasses with side shields are recommended.

Skin Protection

Hand Protection: Suitable gloves can be recommended by the glove supplier.

Other: No data available.

Respiratory Protection: 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.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9	Physical and Chemical Properties
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Appearance

Physical state: liquid
Form: liquid
Color: Colorless to yellow

Odor:

Mild

Odor threshold:

No data available.

pH:

No data available.

Freezing point:

No data available.

Boiling Point:

No data available.

Flash Point:

> 354.9 °F (179.4 °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:

1.115 68 °F (20 °C)

Solubility(ies)

Solubility in water: Soluble

Solubility (other): No data available.

Partition coefficient (n-octanol/water):

No data available.

Auto-ignition temperature:

No data available.

Decomposition temperature:

No data available.

Viscosity:

23.9 mm²/s (104 °F (40 °C)) 4.9 mm²/s (100 °C (212 °F))

Other information

Bulk density: 9.3 lb/gal 77 °F (25 °C)

	Stability and Reactivity
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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.
Incompatible Materials:	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion

11	Toxicological Information
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Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects**Acute toxicity****Oral**

Product: Not classified for acute toxicity based on available data. May cause irritation of the gastrointestinal tract.

Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: Not classified for acute toxicity based on available data. Avoid the inhalation of dust, mists or vapors.

Skin Corrosion/Irritation:

Product: 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: No data available

Specific Target Organ Toxicity - Single Exposure:

No data available

Aspiration Hazard: No data available

Chronic Effects

Carcinogenicity: No data available

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

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity:

No data available

Reproductive toxicity:

No data available

Specific Target Organ Toxicity - Repeated Exposure:

No data available

12	Ecological Information
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Ecotoxicity

Fish No data available

Aquatic Invertebrates No data available

Toxicity to Aquatic Plants	No data available
Toxicity to soil dwelling organisms	No data available
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 No data available

Bioaccumulative Potential
Bioconcentration Factor (BCF) No data available

Partition Coefficient n-octanol / water (log Kow)
 No data available

Mobility: No data available

Other Adverse Effects: No data available.

13	Disposal Considerations
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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
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DOT Not regulated.

IMDG Not regulated.

IATA Not regulated.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
 None known.

Review classification requirements before shipping materials at elevated temperatures.

15	Regulatory Information
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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)

This product may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA).

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.

1, 4 Dioxane <0.1%

Ethylene oxide <0.1%

Inventory Status

Australia (AICS)

All components are in compliance with chemical notification requirements in Australia.

Canada (DSL/NDL)

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.

16		Other Information			
US NFPA Codes		Health	Fire	Reactivity	Special
		1	1	0	N/E
		(N/E) - None established			
HMIS Codes		Health	Fire	Reactivity	
		1	1	0	
Revision Indicators	All: Reformat to SDS Requirements 18 November 2015				

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