

# Material Safety Data Sheet

Number: **DMN0106**

## Product Name: **Kleer<sup>®</sup> Concentrate**

A liquid glass cleaner concentrate.

Revised: 5/21/08

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### Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Isopropyl Alcohol	67-63-0	> 60%	No
2-Methoxymethyl ethoxy propanol	34590-94-8	2 - 10%	No

### Section 3 - Hazards Identification

**Emergency Overview:** Liquid is severely irritating to the eyes and mildly irritating to the skin. Contains alcohol, but product will not burn and poses little hazard in a fire in slamm quantities. A blue liquid with an isopropyl alcohol odor.

**Health Hazards:** Irritant

**Physical Hazards:** None

**Primary Routes of Entry:**  Through Skin  Inhalation  Ingestion

#### Potential Health Effects:

**Eyes** – concentrate causes severe irritation, redness, tearing. Dilutions may cause irritation, redness, tearing.

**Skin** - may cause irritation on persons with sensitive skin. Prolonged or repeated contact with concentrate or dilutions may cause drying and defatting.

**Swallowing** – Concentrate causes irritation of mouth and throat, nausea, vomiting, diarrhea. Dilutions may cause irritation.

**Breathing** – possibly irritating if mist is inhaled excessively.

### Section 4 - First Aid Measures

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention.

**Skin Contact:** Wash exposed area with soap and water. If irritation develops and persists, get medical attention.

**Inhalation:** If affected, move the person to fresh air. If irritation persists, get medical attention.

**Ingestion:** If the person is conscious, give two glasses of water to drink. Induce vomiting immediately by sticking finger down throat to trigger gag reflex. Treat for shock by keeping warm and quiet. Get medical attention immediately. Swallowing the concentrate is more serious than swallowing diluted product.

### Section 5 - Fire-Fighting Measures

**Flash Point:** 53° F. ASTM D-56 Closed Cup. NOTE: There is no open cup flash point. The product is not flammable and will not burn. Isopropanol vapors may collect in the air space in drums or tanks to within flammable limits. These vapors are combustible with sparks or flame at or above the flash point temperature. This does not apply to gallon jugs or five gallon pails.

**Lower Explosive Limit:** Not Available

**Upper Explosive Limit:** Not Available

**Extinguishing Media:** Any

**Special Fire Fighting Procedures:** None.

**Unusual Fire And Explosion Hazards:** None.

### Section 6 - Accidental Release Measures

**Steps To Be Taken If Material Is Released Or Spilled:** Clean up small spills with a rag or mop. Larger spills should be picked up with an appropriate absorbent material such as oil dry.

### Section 7 - Handling and Storage

Store at temperatures between 40° and 100° F.

Empty containers retain product residue and all precautions apply to them.

## Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
Isopropyl Alcohol	67-63-0	> 60%	400ppm(1,2,3,4)	500ppm(2,3,4)	-
2-Methoxymethyl ethoxy propanol	34590-94-8	2 - 10%	no established limits are available		

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=Canada TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

**Ventilation:** Normal room ventilation.

**Respiratory Protection:** None when used as directed.

**Gloves:** Wear rubber or latex gloves if contact with concentrate is possible. Persons with sensitive skin or who use the product for prolonged periods may wish to use rubber or latex gloves with diluted product.

**Eye Protection:** If eye contact with the concentrate is possible, wearing safety glasses with side shields, especially for contact lens wearers, is a good idea.

**Other Protective Equipment:** None.

## Section 9 - Physical and Chemical Properties

**Boiling Point:** 175° F.

**Specific Gravity:** 0.88

**Percent Volatiles:** 100%

**Solubility In Water:** Complete

**Appearance and Odor:** Light blue liquid with an isopropyl alcohol odor.

**Vapor Pressure:** Not Available

**Vapor Density:** Not Available

**Evaporation Rate:** 1.0 (Water = 1)

**pH:** concentrate 8.0 ± 0.5

## Section 10 - Stability and Reactivity

**Incompatibility:** None

**Hazardous Decomposition Products:** None

## Section 11 - Toxicological Information

**Target Organs:** None.

## Section 12 - Ecological Information

Not hazardous, but do not dispose of in the environment.

## Section 13 - Disposal Considerations

**Waste Disposal Method:** Wash to sanitary sewer with a large amount of water.

## Section 14 - Transport Information

**D.O.T. Hazard Class:** None

## Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

## Section 16 - Other Information

**NFPA:** H:1 F:1 I:0 **HMIS® III:** H:1 F:1 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 3/26/01. Updated to ANSI format.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.