



## Material Safety Data Sheet

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

REVISION DATE: 05/20/2005  
SUPERCEDES: None  
SYNONYMS: None

Vapon, Inc.  
299-B Fairfield Avenue - Fairfield - NJ 07004 - 1-800-443-8856

**Customer service telephone:** 1-800-443-6656  
**Emergency telephone number:** 1-800-443-6656

**Product name:** Vapon Wig Cleaner - VQ

### 2. HAZARDS IDENTIFICATION

**Emergency overview:** Flammable.  
Inhalation of high vapor concentrations can cause CNS-depression and narcosis.  
Avoid contact with skin and eyes.  
Harmful if swallowed.

This material is a controlled product under WHMIS.

**Properties affecting health:** Harmful if swallowed.  
Irritating to eyes.

**Principle routes of exposure:**

**Eye Contact:** Moderate eye irritation.  
**Skin contact:** May cause skin irritation or acute contact dermatitis. May aggravate pre-existing dermatitis  
**Ingestion:** Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
**Inhalation:** May cause irritation to the upper respiratory tract. May affect the central nervous system.

**Physico-chemical properties:** In use, may form flammable/explosive vapor-air mixture.

**Hazard information:**

**Target organ effects:** Eyes  
CNS  
**Reproductive effects:** Unknown on product.  
**Mutagenic effects:** Unknown on product.  
**Sensitization:** Sensitization is not expected.

**Signs and symptoms:** Prolonged skin contact may cause skin irritation and/or dermatitis

**Medical conditions aggravated by exposure:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS



## Material Safety Data Sheet

Components	CAS Number	Weight %
Isopropanol	67-63-0	>50

### 4. FIRST AID MEASURES

<b>Eye contact:</b>	In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.
<b>Skin contact:</b>	Wash contaminated areas thoroughly with soap and water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
<b>Ingestion:</b>	Do not induce vomiting without medical advice. Immediately give large quantities of water to drink. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.
<b>Protection of first-aiders:</b>	Wear suitable gloves and eye/face protection.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use dry chemical, CO2 water fog or alcohol foam.
<b>Extinguishing media which must not be used for safety reasons:</b>	None.
<b>Special protective equipment for firefighters:</b>	Wear self-contained breathing apparatus and protective suit.
<b>Specific methods:</b>	Use water spray to cool fire-exposed containers. This material creates a fire hazard because it floats on water.
<b>Hazardous combustion products:</b>	Carbon dioxide and carbon monoxide.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Wear eye and skin protection. Ensure adequate ventilation.
<b>Environmental precautions:</b>	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations. Collect and discard into appropriate container, then dispose of in accordance with all applicable federal, state and local regulations.
<b>Methods for cleaning up:</b>	Clean contaminated surface thoroughly. Wear protective gloves and clothing. All waste must be placed in a sealable, properly labeled waste disposal bag. Keep away from sources of ignition - No smoking

### 7. HANDLING AND STORAGE

<b>Handling:</b>	
<b>Technical measures/precautions:</b>	Wear protective safety glasses, gloves and clothing.
<b>Safe handling advice:</b>	Wear disposable gloves while handling reagents. Thoroughly wash hands afterwards. Avoid contact with skin and eyes.
<b>Storage:</b>	
<b>Technical measures/storage conditions:</b>	Keep containers tightly closed in a cool, well-ventilated place. Avoid contact with heat, sparks, flames or other sources of ignition. Do not overheat containers-store in a cool, dry area.
<b>Incompatible products:</b>	Keep away from sources of ignition or fires., Strong oxidizing agents



## Material Safety Data Sheet

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure limits

Components	ACGIH (TWA - 8hr)	ACGIH (STEL)	ACGIH (Ceiling)	OSHA (TWA - 8hr)	OSHA (STEL)	OSHA (Ceiling)
Isopropanol (>50%) 67-63-0	200 ppm	400 ppm		980 mg/m <sup>3</sup> 400 ppm	1225 mg/m <sup>3</sup> 500 ppm	

**Engineering controls:** Ensure adequate ventilation.

#### Personal protective equipment

**Eye protection:** Wear safety glasses with side-shields.  
**Hand protection:** Impervious butyl rubber gloves  
**Skin and body protection:** Wear suitable protective clothing. Wear suitable gloves and eye/face protection.  
**Respiratory protection:** Do not breathe vapors or spray. In case of insufficient ventilation wear suitable respiratory equipment. An approved organic vapor/acid gas respirator for small spills. When handling large quantities, use powered air-purifying respirators equipped with European standard EN 141, EN 371 and EN 372 filters or air-supplied hood, helmet or hard cap.  
**Other/general protection:** None.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### General Information

**Physical state:** Liquid  
**Color:** Colorless  
**Odor:** Alcoholic Characteristic Odor

#### Important Health Safety and Environmental Information

<b>Flash point:</b>	54 °F 12 °C	<b>Boiling point/range:</b>	230 °F 110 °C
<b>Specific gravity:</b>	0.79	<b>Density (20/4):</b>	6.6 #/G
<b>Vapor density:</b>	>1 (AIR = 1)	<b>Vapor pressure:</b>	36 mmHg
<b>Evaporation rate:</b>	2.3	<b>Water solubility:</b>	Soluble
<b>Viscosity:</b>	2.2 cSt	<b>Voc content (%):</b>	60 - 90

#### Other information

**Melting point/range:** -128 °F -95 °C  
**Explosivity:** Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits.

### 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions.  
**Materials to avoid:** Strong oxidants.  
**Conditions to avoid:** Keep away from heat and sources of ignition  
**Hazardous polymerization:** Hazardous polymerization does not occur.  
**Hazardous decomposition products:** Carbon oxides.

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

**Eye contact:** Irritating to the eyes.



## Material Safety Data Sheet

**Skin contact:** May cause skin irritation.  
**Ingestion:** Harmful if swallowed.  
**Inhalation:** May cause irritation to the upper respiratory tract.  
**LD50/oral/rat (mg/kg) =** ~5000 (Isopropanol)  
**LD50 Dermal Rabbit (mg/kg):** 12,800 mg/kg (Isopropanol)

### Sub chronic toxicity

#### Chronic toxicity

**Inhalation:** Central nervous system effects.

#### Specific effects

**Sensitization:** No effects expected.  
**Target organ effects:** Eyes  
CNS

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Ecotoxicity effects:** This product has no known eco-toxicological effects.  
**Aquatic toxicity effects:** This product has no known aquatic toxicological effects.

**Mobility:** Disperses rapidly in air. The product evaporates readily. The product is slightly soluble in water. It can be eliminated from water by abiotic processes.

**Persistence / degradability:** Slowly decomposes.

**Bioaccumulation:** No data available.

**Degradation:** No data available.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** This product is a hazardous waste as defined under RCRA (EPA). Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

**Contaminated packaging:** Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.

## 14. TRANSPORT INFORMATION

**DOT shipping name:** Isopropanol  
**Hazard class:** 3  
**Packing group:** PG II  
**ID/UN No.:** UN 1219  
**IATA - label:** Flammable liquid

## 15. REGULATORY INFORMATION

### SARA (311, 312) hazard class

**Immediate health:** Yes.  
**Delayed health:** None.  
**Fire:** Yes



## Material Safety Data Sheet

**Sudden Release of Pressure Hazard:** None.  
**Reactivity:** None.

### State Regulations

Components	CAS Number	NJRTK	PARTK	MARTK	RIRTK
Isopropanol (>50%)	67-63-0		Listed.	Listed.	Listed.

### International Inventories

Components	TSCA	DSL	NDSL
Isopropanol (>50%)	Listed.	Listed.	

### WHMIS:

**WHMIS trade secret:** None.  
**WHMIS hazard class:** B2 Flammable Liquids



### Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

**This data sheet contains changes from the previous version in section(s):**

None.

**MSDS format:** North American Format - U.S. and Canada  
This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

### Disclaimer:

The information and recommendations contained herein are based upon tests believed to be reliable. However, Vapon, Inc. does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. Vapon, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

**End of Safety Data Sheet**