



*Painting the World...  
Without costing the Earth*

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## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: VINYLKLEEN

EFFECTIVE DATE: January 12, 2010 Rev. 3

AquaSurTech OEM. urges the customer receiving this Material Safety Data Sheet to read and understand it carefully to become aware of hazards, if any, of the product involved. In the interests of safety you should:

- 1) notify your employees, agents and contractors of the information on this sheet,
- 2) furnish a copy to each of your customers for the products, and
- 3) request that your customers inform their employees and customers as well.

### 1) IDENTIFICATION AND COMPANY

Company: AquaSurTech OEM  
Product Name: VinylKleen  
Chemical Characterization: Surface Cleaner / Heavy Duty Degreaser  
Form: Liquid -1 Lt.Can, 1 gallon Pails  
Colour: Green Transparent Tint  
Odour: fragrance free

### 2) COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS :	CAS #	% (Weight)	ACGIH TLV	OSHA PEL
Alcohol Ethoxylate	68991-48-0	1-5	N/A	N/Av

### 3) HAZARDS IDENTIFICATION

#### Emergency Overview:

Green Transparent liquid, fragrance free. **CAUTION.** May cause moderate eye irritation. May also cause slight skin and inhalation irritation.

**POTENTIAL HEALTH EFFECTS:** (for more details, refer to Section 11)

**Primary entry route(s):** Eye, skin, inhalation and Ingestion.

**Eye:** May cause mild to moderate irritation.

**Skin:** Direct, short-term skin contact may cause little or no irritation.

**Inhalation:** Prolonged inhalation of vapors may irritate upper respiratory tract.

**Ingestion:** May cause slight irritation, diarrhea, and nausea.

**Long term (chronic) exposure:** Prolonged contact with the product may cause dryness, slight irritation.

**Conditions aggravated by exposure:** Prolonged contact with the product may cause dryness, slight irritation.

**Carcinogenic status:** See Toxicological Information, Section 11

**Additional Health Hazards:** For further information, see TOXICOLOGICAL INFORMATION, Section 11.

**Potential Environmental effects:** See ECOLOGICAL INFORMATION, Section 12.

### 4) FIRST AID MEASURES

**INHALATION** – Bring the person to fresh air. Seek medical attention if discomfort persists.

**EYE CONTACT** - Immediately rinse with plenty of water for 15 minutes, keeping eyelids open. If irritation persists, repeat flushing and seek medical attention immediately.

**SKIN CONTACT** – Rinse with water. Remove soiled clothes and wash before wearing. Seek medical attention should an irritation develop.

**INGESTION** – If conscious, give plenty of water. Never give anything by mouth if the person is unconscious. Do not induce vomiting. Seek immediate medical attention.

## 5) FIRE FIGHTING MEASURES

**Fire hazards/condition of flammability:** Not flammable under normal conditions. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

**FLASH POINT:** > 93.3 deg. C (Tag Closed cup)

**Lower flammable limit (% by volume) :** N/Av

**Upper flammable limit (% by volume):** N / Av

**Explosion Data – sensitivity to mechanical impact:** Probably not sensitive.

**Explosion Data – sensitivity to static discharge:** Probably not sensitive.

**Auto Ignition:** N/Av

**Suitable extinguishing media:** Water, foam, dry chemicals, carbon dioxide.

**Special fire fighting procedures / equipment:** During a fire, irritating smoke and fumes may be generated. A self contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

**Hazardous combustion products:** Oxides of carbon, and other irritating gases.

## 6) ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear adequate personal protective equipment (see Section 8)

**Spill response/Clean up:** Wear personal protective equipment. Stop the leak if you can do so without risk. Pump the product into drums for disposal; or clean up spills using absorbent material and place in waste container for destruction. Resume cleaning with rinsing with water.

**Environmental precautions:** Biodegradable

**Prohibited materials:** N/Av

**Special spill response procedures:** N/Av

## 7) HANDLING AND STORAGE

**General Handling:** It is very important that engineering controls are operating and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Avoid inhaling vapours or mists. Avoid contact with skin, eyes and clothing. Keep away from heat and flame. Keep containers closed when not in use. Do not use with incompatible materials such as strong oxidizing and reducing agents.

**Storage:** Store in tightly sealed container, in a well ventilated room. Do not store with food products. Keep from freezing.

Special Packaging Materials: N/Av

## 8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Mechanical Ventilation System is recommended to maintain concentrations of contaminants below exposure limits.

**Respiratory Protection:** Not required under normal applications. In case of prolonged contact, or if engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection. Have appropriate equipment available for use in emergencies such as spills or fire. Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirator if the exposure limits are unknown.

**Skin Protection and other protective equipment:** Use impervious (rubber or nitrile) gloves. Wear waterproof boots for prolonged contact with spills.

**Eye / face Protection:** Wear protective chemical safety goggles to manipulate large quantities.

**General hygiene considerations:**

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes. Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material.

**Permissible exposure levels:** For individual ingredient exposure levels, see Section 2.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

**Physical State, color and odor :** Green transparent liquid, fragrance free.

**Odor Threshold:** N/Av

**pH:** 11.0 – 11.4

**Boiling Point:** 100 deg C (212 deg F)

**Melting Freezing point:** N/Av

**Vapor Pressure:** N/Av

**Solubility in Water:** Complete

**Coefficient of oil/water distribution:** N/Av

**Specific gravity or density (water = 1, at 4 deg C) :** 1.013 g/cm<sup>3</sup> @ 20 deg C (68 deg F)

**Vapor density:** N/Av

**Evaporation Rate:** N/Av

**% Volatile by volume:** 0

**Viscosity:** < 1000 cps @ 25 deg C (77 deg F)

## 10) REACTIVITY AND STABILITY DATA

**Stability and reactivity:** Stable at room temperature, in normal handling and storage conditions.

**Polymerization:** Hazardous polymerization will not occur.

**Conditions to avoid:** Avoid strong oxidizing and reducing agents.

**Materials to avoid:** Avoid strong oxidizing and reducing agents.

**Hazardous decomposition products:** NONE

## 11) TOXICOLOGICAL PROTECTION

<b><u>Ingredient</u></b>	<b><u>LD 50 (route, specie)</u></b>	<b><u>LC 50 # hours (specie)</u></b>
Alcohol ethoxylate	> 2000 mg/kg (oral, rat)	N/Av

For more details, refer to Section 3.

**Carcinogenicity:** No ingredient listed by IARC, ACGIH, NTP and OSHA as a possible carcinogen.

**Teratogenicity, mutagenicity, other reproductive effects:** N/Av

**Skin sensitization:** N/Av

**Synergistic materials:** N/Av

**Other important hazards:** N/Av

## 12) ECOLOGICAL INFORMATION

**Environmental Effects:** There is no test data on this product.

**Important environmental characteristics:** There is no test data on this product

**Aquatic toxicity:** There is no test data on this product.

## 13) WASTE DISPOSAL

**Handling and storage conditions for disposal:** Store material for disposal as indicated in Handling and Storage (Section 7).

**Method of Disposal:** Dispose according to existing federal, provincial and municipal regulations.

## 14) TRANSPORTATION INFORMATION

**Transportation of Dangerous Goods (TDG) in Canada:**

**Proper shipping name:** Not regulated

**Class:** N/ Ap

**Identification Number:** N/ Ap

**Packing Group:** N/ Ap

**Special Case:** N/ Ap

## 15) REGULATORY INFORMATION

In Canada:

**WHMIS Information:** Product is regulated according to the Controlled Product Regulation (CPR) in Canada. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

**WHMIS Classification:** D2B – Toxic Materials with other effects

**CEPA Information:** Ingredients are listed on the DSL Inventory.

Other Information:

**HMIS:** 0 Minimal 1 Slight 2 Moderate 3 Serious 4 Severe

**Health Hazard** 1

**Fire Hazard** 0

**Reactivity** 0

**Personal Protection** (See section 8)

**NFPA** 0 Minimal 1 Slight 2 Moderate 3 Serious 4 Severe

**Fire Hazard:** 0

**Reactivity:** 0

**Specific Hazard:** None

## 16) OTHER INFORMATION

### References:

1. Manufacturer's / Suppliers' MSDS
2. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2006
3. International Agency for Research on Cancer Monographs, searched 2006
4. Canadian Center for Occupational Health and Safety, CCIInfoWeb databases, 2006 (Chempendium, HSDB, RTECs).

## 17) DISCLAIMER

The information accumulated here in is believed to be accurate and reliable as of the date above, however AquaSurTech OEM., makes no representation, warranty or guarantee nor assumes any legal responsibility as to its accuracy, reliability or completeness. Ultimate determination of suitability for intended use is the responsibility of the user.

*NOTICE: AquaSurTech OEM urges each customer or recipient of this MSDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this MSDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty or implied is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that its activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of AquaSurTech OEM, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific MSDS's, AquaSurTech OEM is not and cannot be responsible for MSDS's obtained from another source other than AquaSurTech OEM.*