





# Material Safety Data Sheet

WHMIS (Pictograms)	WHMIS (Classification)	Protective Clothing
 	Class D-1B: Material causing immediate and serious toxic effects (TOXIC). Class D-2B: Material causing other toxic effects (TOXIC). Class E: Corrosive liquid.	 

## Section I. Chemical Product and Company Identification

<b>Product Name/ Trade Name</b>  <b>Ecopure EP66 Disinfectant</b>	<b>Code</b> 1997
	<b>CAS#</b> Not applicable.
<b>Supplier</b> AVMOR LTD 950 Michelin Laval (QC) Tel : (450)-629-8074 www.avmorgreen.com	<b>DSL</b> All ingredients are listed
	<b>CI#</b> Not applicable
<b>Synonym</b> Not available.	<b>In case of Emergency</b> CANUTEC : 1-613-996-6666
<b>Chemical Name</b> Not applicable.	
<b>Chemical Family</b> Quaternary ammonium compound.	
<b>Chemical Formula</b> Not applicable	
<b>Manufacturer</b> AVMOR LTD 950 Michelin Laval (QC) Tel : (450)-629-8074 www.avmorgreen.com	<b>Material Uses</b> Industrial applications: Disinfectant

## Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	
			TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Alkyl dimethylbenzylammonium chloride	68391-01-5	3 - 7	Not available.	ORAL (LD50): Acute: 570 mg/kg [Rat].
Alkyl dimethyl ethylbenzylammonium chloride	68956-79-6	3 - 7	Not available.	ORAL (LD50): Acute: 570 mg/kg [Rat].
Ethyl alcohol	64-17-5	0.5 - 1.5	Not available.	ORAL (LD50): Acute: 8300 mg/kg [Mouse]. 13700 mg/kg [Rat]. 17750 mg/kg [Rat].

## Section III. Hazards Identification.

<b>Potential Acute Health Effects</b>	Corrosive to eyes and skin. In case of ingestion, may cause burns to mouth, throat and stomach.
<b>Potential Chronic Health Effects</b>	No ingredient in this product is currently listed as carcinogens by IARC, NTP or OSHA.

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**Section IV. First Aid Measures**

<b>Eye Contact</b>	IMMEDIATELY flush eyes with running water for at least 15 minutes. Seek medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes. If irritation persists, get medical attention.
<b>Hazardous Skin Contact</b>	No additional information.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area. If discomfort persists seek medical attention.
<b>Hazardous Inhalation</b>	No additional information.
<b>Ingestion</b>	DO NOT induce vomiting. Have a conscious person drink several glasses of water. Seek medical attention.
<b>Hazardous Ingestion</b>	No additional information.

**Section V. Fire and Explosion Data**

<b>The Product is:</b>	Non-flammable.
<b>Auto-Ignition Temperature</b>	Not applicable.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Products of Combustion</b>	Not applicable.
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable.
<b>Explosion Hazards in Presence of Various Substances</b>	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials, of mechanical impact and static discharge.
<b>Fire Fighting Media and Instructions</b>	Use DRY chemicals, CO2, water spray or foam.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Special Remarks on Explosion Hazards</b>	Not available.

**Section VI. Accidental Release Measures**

<b>Small Spill</b>	Absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
<b>Large Spill</b>	Prevent entry into sewers, basements or confined areas; dike if needed. Absorb with an inert material and place in an appropriate waste disposal container.

**Section VII. Handling and Storage**

<b>Precautions</b>	Keep out of reach of children. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Avoid contamination of food during use. Wear suitable protective clothing and eye/face protection.
<b>Storage</b>	Keep container in a cool, well-ventilated area. Do not store in food processing or food storage area. Do not contaminate water by cleaning of equipment or disposal of wastes.

**Section VIII. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Personal Protection</b>	Safety glasses. Gloves. Wear appropriate respirator when ventilation is inadequate.
<b>Personal Protection in Case of a Large Spill</b>	Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire or spill.
<b>Exposure Limits</b>	Not available.

**Section IX. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Liquid.	<b>Odor</b>	Fragrance free.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH (1% soln/water)</b>	6.5 to 8.5 (Conc. (% w/w): 100)	<b>Color</b>	Colorless.
<b>Boiling Point</b>	The lowest known value is 100°C (212°F) (Water).		
<b>Melting Point</b>	May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -1.29°C (29.7°F)		
<b>Critical Temperature</b>	Not available.		
<b>Specific Gravity</b>	Weighted average: 1 (Water = 1)		
<b>Vapor Pressure</b>	The highest known value is 5.7 kPa (43 mm Hg) (at 20°C) (). Weighted average: 2.34 kPa (17.55 mm Hg) (at 20°C)		
<b>Vapor Density</b>	The highest known value is 1.59 (Air = 1) (). Weighted average: 1.01 (Air = 1)		
<b>Volatility</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Evaporation rate</b>	Not available.		
<b>Viscosity</b>	Not available.		
<b>Water/Oil Dist. Coeff.</b>	The product is much more soluble in water.		
<b>Ionicity (in Water)</b>	Not available.		
<b>Dispersion Properties</b>	See solubility in water.		
<b>Solubility</b>	Miscible in water.		

**Section X. Stability and Reactivity Data**

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	No additional remark.
Incompatibility with various substances	Avoid strong oxidizing materials
Corrosivity	Not available.
Special Remarks on Reactivity	STRONG OXIDIZING AGENTS AND BLEACH.
Special Remarks on Corrosivity	Will corrode a wide variety of metals.

**Section XI. Toxicological Information**

Routes of Entry	Eye contact. Ingestion. Skin contact. Inhalation.
Toxicity to Animals	See section II.
Chronic Effects on Humans	No ingredient in this product is currently listed as carcinogens by IARC, NTP or OSHA.
Other Toxic Effects on Humans	Corrosive to eyes and skin. In case of ingestion, may cause burns to mouth, throat and stomach.
Special Remarks on Toxicity to Animals	No additional information.
Special Remarks on Chronic Effects on Humans	No additional information.
Special Remarks on Other Toxic Effects on Humans	No additional information.

**Section XII. Ecological Information**

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Not available
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

**Section XIII. Disposal Considerations**

**Waste Disposal**                      Container information: Do not reuse container. Rinse product container with warm water, remove label, and discard.  
 Waste information : Hazardous chemical waste. Waste must be disposed according to applicable regulations. Consult your local or regional authorities.

**Section XIV. Transport Information**

**TDG Classification**                      Class 8

**PIN**    DISINFECTANTS, CORROSIVE , LIQUID, N.O.S.  
 (Quaternary Ammonium Compounds) UN1903 PG III

**Special Provisions for Transport**                      Not available.

**TDG (Pictograms)**



**Section XV. Other Regulatory Information and Pictograms**

**Other Regulations**                      Not determined.

<b>Other Classifications</b>	<b>HCS (U.S.A.)</b>	Not determined.
	<b>DSCL (EEC)</b>	Not determined.

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	<b>2</b>	<b>National Fire Protection Association (U.S.A.) Health</b>		<b>Fire Hazard</b>	<b>0</b>
	<b>Fire Hazard</b>	<b>0</b>			<b>Reactivity</b>	<b>0</b>
	<b>Reactivity</b>	<b>0</b>			<b>Specific Hazard</b>	
	<b>Personal Protection</b>	<b>b</b>				

**DOT (U.S.A) (Pictograms)**



**DSCL (Europe) (Pictograms)**



**ADR (Europe) (Pictograms)**



**Protective Equipment (Pictograms)**



**Section XVI. Other Information**

**References** -Manufacturer's Material Safety Data Sheet. -Material safety data sheet issued by: la Commission de la Santé et de la Sécurité du Travail du Québec.

**Other Special Considerations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. Always follow label directions carefully when using this or any other chemical product. Keep MSDSs filed and organized in an area accessible to workers.

**Validated by Regulatory Affairs on 2007-11-30.**

**Verified by Regulatory Affairs.**

**Printed 2007-11-30.**

**Information Contact** If information about this product is required, please contact Avmor Ltd. at (450) 629-3800 or visit us at [www.ecopure.ca](http://www.ecopure.ca).

**Notice to Reader**

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