

Material Safety Data Sheet

Section 1—CHEMICAL PRODUCT AND COMPANY INFORMATION	
	Product Part #: 590270
Uview Ultraviolet Systems Inc. 1324 Blundell Road, Mississauga, ON Canada L4Y1M5 Tel (905) 615-8620 (For inquiries only)	Product Name: Car Interior Disinfectant / Sanitizer Product Class: Quaternary Ammonium Compound Product Use: RTU Disinfectant/Sanitizer
	Emergency Telephone #: CHEMTREC (24 hours) 1-800-424-9300 (US only) or (703) 527-3877 outside US
	Date Effective: 03/30/2011

Section 2—COMPOSITION / INFORMATION ON INGREDIENTS		
Ingredient	CAS NUMBER	% Wt
Alkyl dimethyl benzyl ammonium chloride (C ₁₂₋₁₆)	68424-85-1	< 0.1
Octyl decyl dimethyl ammonium chloride	32426-11-2	< 0.1
Diocetyl dimethyl ammonium chloride	5538-94-3	< 0.1
Didecyl dimethyl ammonium chloride	7173-51-5	< 0.1
Note: contains less than 200 ppm ethanol CAS# 64-17-5		

Section 3—HAZARDS IDENTIFICATION:		
Emergency Overview : Clear, colorless to straw colored liquid. May be mildly irritating.		
Potential Health Effects:	EYE	May cause irritation.
	SKIN	May be mildly irritating. Very large exposure may be harmful.
	INHALATION	Mists and vapors may be mildly irritating to the throat and respiratory tract
	INGESTION	Harmful if swallowed.
	Chronic	None

Section 4—FIRST AID MEASURES	
Eye:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. If irritation persists, get medical attention.
Skin Contact:	Flush immediately with plenty of water. If irritation persists, get medical attention.
Inhalation:	If breathing is affected, remove to fresh air. Get medical attention.
Ingestion:	Immediately drink one cupful of water or milk. Get medical attention
Aggravated Medical conditions	Persons with pre-existing skin disorders may be more susceptible to irritating effects

Section 5—FIRE FIGHTING MEASURES		
Flash Point (Method Used):		None when heated to 102°C (Cleveland Open Cup).
Flammable Limits	LEL (lower explosion limit):	ND
	UEL (upper explosion limit):	ND
Autoignition Temperature:		ND
Extinguishing Media:		Use any agent appropriate for surrounding fire.
Special Fire Fighting Procedures:		Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.
Hazardous Combustion Products:		Irritating and toxic gases or fumes may be released during a fire

Section 6—ACCIDENTAL RELEASE MEASURES	
Emergency Action	Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind
Spill Cleanup	Ventilate closed spaces before entering. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Large Spills:	Dike far ahead of liquid spill for later disposal

Section 7—HANDLING AND STORAGE	
Handling:	Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.
Storage:	Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing.

Section 8—EXPOSURE CONTROLS/PERSONAL PROTECTION	
Engineering:	No special ventilation requirements. General room ventilation is adequate.
Personal Protective Equipment:	
Eyes/Face:	Safety glasses with side-shields if splashing is likely
Skin and body	No special requirements under normal use conditions
Respiratory:	No special requirements under normal use conditions
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice
General	Eye wash fountain and emergency showers are recommended.

The following ingredients have established exposure guidelines:

Ingredient	Exposure Guideline	Guideline Value
No ingredients listed in this section	---	---

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period

Section 9—PHYSICAL / CHEMICAL PROPERTIES

Physical State:	Liquid	Pour Point:	ND
Appearance:	Light blue	Percent Volatiles	ND
Odor:	Lemon	Boiling Point °F (°C)	ND
Specific Gravity (H ₂ O=1):	0.9992 (8.34 lbs./gal.)	Evaporation rate	ND
pH:	8-10	Vapor Pressure (mm Hg):	< 0.1
Viscosity	0.955 mm ² /s (cSt)		

Section 10—STABILITY AND REACTIVITY

Chemical Stability:	Material is stable.
Incompatibility:	Strong oxidizing agents, reducing agents
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors
Hazardous Polymerization:	Will not occur.
Condition to Avoid	Keep away from strong oxidizing agents.

Section 11—TOXICOLOGICAL INFORMATION

Acute Oral LD50	> 5,000 mg/kg in rats	Acute Dermal	> 2,000 mg/kg in rats
Primary Skin	Not an irritant.	Primary Eye	Mildly irritating.

Chemicals Ingredients Listed as Potential or Known Carcinogens:

Ingredient	OSHA	NTP	IARC
No ingredients listed in this section.			

Carcinogenicity:

Carcinogenicity : No Carcinogenicity data available for this product.

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Section 12—ECOLOGICAL INFORMATION

Environmental Fate	This product is biodegradable
Ecotoxicity	Toxic to aquatic organisms

Section 13—DISPOSAL CONSIDERATIONS	<p>Although not considered a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.</p> <p>The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.</p>
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Section 14—TRANSPORTATION INFORMATION

DOT Hazard Class	Not regulated
DOT Proper Shipping Name	Not regulated

Section 15: Regulatory Information

TSCA Status :
 While all ingredients are listed on the TSCA Chemical Inventory, this product is regulated as a pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and not subject to the TSCA Inventory rules for FIFRA uses.

Other Chemical Inventories
 All components of this product are listed on the following inventories: Canada (DSL), European Union, China, Korean and Philippines. One or more ingredients are not listed on the following inventories: Australia and Japan.

CERCL/SARA
SARA Title III, Sections 311/312 - This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370: **Classification of this product:** Immediate, Fire

SARA Title 313 - This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

Chemical name	CAS No.	Maximum concentration	Comment
No ingredients listed in this section			



Reportable Quantities/Threshold Planning Quantities:

CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs). SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities

Chemical name	Reportable Quantity (RQ)	Threshold Planning Quantity (TPQ)
No ingredients listed in this section.		

State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

Chemical Name	State List
Ethanol < 200 ppm	AZ, CA, CT, FL, ID, MA, MN, NJ, PA, RI
Benzyl Chloride (trace impurity < 10ppm)	AZ, CA, CAP65C, FL, IL, MA, MN, NJ, PA
CA - California Director's List of Hazardous Substances	MA - Massachusetts Right to Know List
CAP65C - California Prop 65 Carcinogen	MN - Minnesota Hazardous Substances List
FL - Florida Substances List	NJ - New Jersey Right to Know List
ID - Idaho Non-carcinogen Toxic Air Pollutants	PA - Pennsylvania Right to Know List
IL - Illinois Toxic Air Contaminant - Carcinogenic	RI - Rhode Island Hazardous Substances List

WHMIS Classification:

Not a controlled product. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

HMIS Ratings:

Health: 1	Flammability: 0	Reactivity: 0	PPE : A
NFPA			
Health: 1	Flammability: 0	Reactivity: 0	

Legend:

N/A – Not Available	NE – Not established	ND – Not determined	
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Section 16 – OTHER INFORMATION**Disclaimer:**

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