



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name	Professional VANI-SOL® Bulk Disinfectant Washroom Cleaner Ready-to-use
UPC CODES	Refer to section 16
CAS #	Mixture
Product use	Bathroom cleaner and Disinfectant
Distributed by	Reckitt Benckiser Morris Corporate Center IV 399 Interpace Parkway P.O. Box 225 Parsippany, NJ 07054-0225 In Case of Emergency: 1-800-228-4722 Transportation Emergencies: 24 Hour Number: North America: CHEMTREC: 1-800-424-9300 Outside North America: 1-703-327-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Personal Protection	D



2. Hazards Identification

Emergency overview	This product is regulated by the US EPA as a disinfectant. PRECAUTIONARY STATEMENTS: Hazards to humans and domestic animals. WARNING Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
Potential short term health effects	KEEP OUT OF REACH OF CHILDREN.
Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Eyes	May cause eye irritation.
Skin	Not a skin irritant. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
Inhalation	None expected during normal conditions of use. Not toxic by inhalation.
Ingestion	Not orally toxic.
Target organs	Eyes, Skin.
Chronic effects	The finished product is not expected to have chronic health effects.
Signs and symptoms	Symptoms may include redness, edema, drying, chafing and cracking of the skin.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Dipropylene glycol monobutyl ether	29911-28-2	2.5 - 10
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	Not Applicable	0 - 0.1
Alkyl (87% C12, 25% C14, 7%C10, 1%C8-C10-C18) dimethyl benzyl ammonium chlorides	Not Applicable	0 - 0.1

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4. First Aid Measures

First aid procedures

Eye contact	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 eye. Call a poison control center or doctor for treatment advice.
Skin contact	If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
Inhalation	Remove to fresh air.
Ingestion	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Notes to physician

General advice

Symptoms may be delayed.
If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. Fire Fighting Measures

Flammable properties	Not flammable by OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re use.

7. Handling and Storage

Handling	<p>CAUTION Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Use this product with adequate ventilation. Avoid contact with eyes and skin. Use good industrial hygiene practices in handling this material. When using do not eat or drink.</p>
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Storage

Do not contaminate water, food or feed by storage or disposal.
 Store in original container in areas inaccessible to small children.
 Keep securely closed.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)	Exposure Limits
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	ACGIH-TLV Not established OSHA-PEL Not established
Alkyl (67% C12, 25% C14, 7%C16, 1%C8-C10-C18) dimethyl benzyl ammonium chlorides	ACGIH-TLV Not established OSHA-PEL Not established
Dipropylene glycol monobutyl ether	ACGIH-TLV Mist: 10 mg/m ³ OSHA-PEL Not established

Engineering controls

General ventilation normally adequate.

Personal protective equipment
Eye / face protection

Avoid contact with eyes.
 When handling in large quantities or responding to emergency situations, the use of appropriate eye protection is recommended.
 Emergency responders should wear full eye and face protection.

Hand protection

Wear impervious gloves where the potential for contact with the liquid is possible.
 Emergency responders should wear impermeable gloves.

Skin and body protection

Usual safety precautions while handling the product will provide adequate protection against injury or irritation.
 Follow label directions carefully.

Respiratory protection

Not normally required under normal use conditions.
 Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.
 When using do not eat or drink.
 Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

9. Physical and Chemical Properties

Appearance	Liquid.
Color	Blue - Green
Form	Liquid
Odor	Characteristic
Odor threshold	Not available
Physical state	Liquid
pH	10.3 - 11 (basic)
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	> 200 °F (> 93.33 °C) Tagliabue
Auto-ignition temperature	Not available

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Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.9945 - 1.0045 @ 25°C
Octanol/water coefficient	Not available
Solubility (H ₂ O)	Complete
VOC (Weight %)	Not available
Viscosity	Not available
Percent volatile	Not available

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Excessive heat. DO NOT MIX WITH BLEACH or use in conjunction with other household products.
Incompatible materials	Caustics, Acids, Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	Not available
Alkyl (67% C12, 25% C14, 7%C16, 1%C8-C10-C18) dimethyl benzyl ammonium chlorides	Not available
Dipropylene glycol monobutyl ether	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Alkyl (50%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chlorides	426 mg/kg rat
Alkyl (67% C12, 25% C14, 7%C16, 1%C8-C10-C18) dimethyl benzyl ammonium chlorides	Not available
Dipropylene glycol monobutyl ether	3700 mg/kg rat

Effects of acute exposure

Eye	May cause eye irritation.
Skin	Not a skin irritant. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
Inhalation	None expected during normal conditions of use. Not toxic by inhalation.
Ingestion	Not orally toxic.
Sensitization	Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
Chronic effects	The finished product is not expected to have chronic health effects.
Carcinogenicity	The finished product is not expected to have chronic health effects.
Mutagenicity	The finished product is not expected to have chronic health effects.
Reproductive effects	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.
Synergistic Materials	Not available

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12. Ecological Information

Ecotoxicity	Bulk quantities, if spilled, may be toxic to aquatic organisms, fish, birds and mammals. Control and clean up all exterior spills and prevent liquid from entering any streams, rivers, lakes and all other bodies of water.	
Ecotoxicity - Freshwater Fish Species Data		
Dibroylone glycol monobutyl ether	29911-28-2	96 Hr LC50 <i>Pearlia reticulata</i> : 841 mg/L [static]
Environmental effects	Not available	
Aquatic toxicity	Not available	
Persistence / degradability	Not available	
Bioaccumulation / accumulation	Not available	
Partition coefficient	Not available	
Mobility in environmental media	Not available	
Chemical fate information	Not available	

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Dispose in accordance with all applicable regulations. To avoid waste, use all material in this container according to label directions. CONTAINER DISPOSAL: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.
Waste from residues / unused products	Not available
Contaminated packaging	Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

14. Transport Information

UNID N.o.	Not applicable
U.S. Department of Transportation (DOT): Classification: Not regulated	
Proper shipping name	Not applicable
U.S. DOT Hazard Class	Not applicable
Subsidiary Risk	Not applicable
Packing group	Not applicable
DOT RQ (lbs)	Not applicable
ERG NO	Not applicable
Transportation of Dangerous Goods (TDG - Canada): Classification: Not regulated	
Proper shipping name	Not applicable
Status	Not applicable
Packing group	Not applicable

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IMDG (Marine Transport): Classification: Not regulated

Proper shipping name	Not applicable
Class	Not applicable
Subsidiary Risk	Not applicable
Packing group	Not applicable
IMDG Page	Not applicable
Marine pollutant	Not applicable
EMS	Not applicable
MFAG	Not applicable
Maximum Quantity	Not applicable

IATA/ICAO (Air): Classification: Not regulated

Proper shipping name	Not applicable
Class	Not applicable
Subsidiary Risk:	Not applicable
Packing group	Not applicable
Maximum Quantity	Not applicable

15. Regulatory Information

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
 CERCLA/SARA Hazardous Substances - Not applicable.

Product Registration: Registered with EPA, EPA Reg. No. 777-66-675

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Immediate Hazard - Yes
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Clean Air Act (CAA) Not available

Clean Water Act (CWA) Not available

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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16. Other Information

Disclaimer	This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
Further information	35241-00294-7 - 1 gal. - Professional VANI-SOL® Bulk Disinfectant Washroom Cleaner Ready-to-use - 0098534
Issue date	01-Sept-2010
Effective date	06-Jul-2010
Prepared by	Reckitt Benckiser Regulatory Department 800-333-3699
Other information	For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.