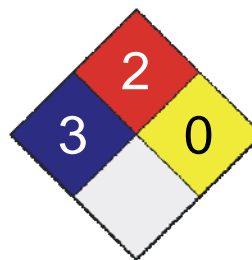


1. Product and Company Identification

Product Name Professional VANI-SOL® High Acid Bowl Cleanse Ready-to-use
UPC CODES Refer to Section 16
CAS # Mixture
Product use Toilet bowl cleaner
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: 1-703-527-3887

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

Health	/ 3
Flammability	2
Physical Hazard	0
Personal Protection	D



2. Hazards Identification

Emergency overview DANGER -- POISON
 CORROSIVE
 FATAL IF SWALLOWED. DO NOT breathe vapor or fumes. Produces chemical burns. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. DO NOT USE WITH CHLORINE BLEACH OR ANY OTHER CHEMICAL PRODUCTS. Contains 23% hydrochloric acid.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects
Routes of exposure Eye, Skin contact, Inhalation, Ingestion.
Eyes Corrosive to eyes. May cause chemical burns.
Skin Corrosive to skin. May cause chemical burns.
Inhalation Vapor may cause irritation of nose, throat and upper respiratory tract. Do not breathe vapor or fumes.
Ingestion This product may be harmful or fatal if swallowed.
Target organs Eyes. Respiratory system. Skin.
Chronic effects Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.
Signs and symptoms The product causes burns of eyes, skin and mucous membranes.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Hydrochloric acid	7647-01-0	20 - 40

4. First Aid Measures

First aid procedures
Eye contact In case of eye contact, IMMEDIATELY flush eyes thoroughly with water, remove any contact lenses and continue to flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin contact If on skin, IMMEDIATELY flood the surface with water. If irritation persists, get medical attention.

Inhalation	Remove to fresh air. If irritation persists or there is any trouble breathing, get immediate medical attention.
Ingestion	If swallowed, do NOT induce vomiting. IMMEDIATELY drink a glass of water. Get medical attention immediately.
Notes to physician	If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately. Symptoms may be delayed.
General advice	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.

5. Fire Fighting Measures

Flammable properties	Combustible by OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Dry chemical. Water spray. Foam. Carbon dioxide.
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: Hydrochloric acid. 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. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling	DANGER POISON. Corrosive material. Contains 23% hydrochloric acid. Produces chemical burns. Combustible liquid. FATAL IF SWALLOWED. Wear goggles or face shield and rubber gloves when handling. DO NOT USE WITH CHLORINE BLEACH OR ANY OTHER CHEMICAL PRODUCTS.
Storage	Store in original container in areas inaccessible to small children. Keep securely closed away from heat or open flame in a well ventilated area away from food and feed. Fumes are corrosive to metal. Store containers upright and closed.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
Hydrochloric acid	ACGIH-TLV Ceiling: 2 ppm OSHA-PEL Ceiling: 5 ppm

Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye / face protection	Avoid contact with eyes. Wear chemical goggles. Emergency responders should wear full eye and face protection.
Hand protection	Avoid contact with the skin. Rubber gloves. Confirm with a reputable supplier first. Emergency responders should wear impermeable gloves.
Skin and body protection	Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.
Respiratory protection	Avoid breathing mists or vapors. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. 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	Opaque.
Color	White.
Form	Liquid
Odor	Not available
Odor threshold	Not available
Physical state	Liquid
pH	< 1 (Acidic)
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	142 - 200 °F (61.11 - 93.33 °C) Tagliabue
Auto-ignition temperature	Not available
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	Not available
Octanol/water coefficient	Not available
Solubility (H2O)	Complete

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	DO NOT MIX WITH BLEACH or use in conjunction with other household products. Reacts violently with alkaline material. This product may react with reducing agents. Fumes are corrosive to metal.
Incompatible materials	Bases. Reducing agents.
Hazardous decomposition products	May include and are not limited to: Hydrochloric acid.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Hydrochloric acid	935 ppm mouse; 3124 mg/l/4h rat

Component analysis - Oral LD50

Ingredient(s)	LD50
Hydrochloric acid	900 mg/kg rabbit; 700 mg/kg rat
Effects of acute exposure	
Eye	Corrosive to eyes. May cause chemical burns.
Skin	Corrosive to skin. May cause chemical burns.
Inhalation	Vapor may cause irritation of nose, throat and upper respiratory tract. Do not breathe vapor or fumes.
Ingestion	This product may be harmful or fatal if swallowed.
Sensitization	The finished product is not expected to have chronic health effects.
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.
ACGIH - Threshold Limit Values - Carcinogens	
Hydrochloric acid	7647-01-0 A4 - Not Classifiable as a Human Carcinogen
IARC - Group 3 (Not Classifiable)	
Hydrochloric acid	7647-01-0 Monograph 54 [1992]
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

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	
Hydrochloric acid	7647-01-0 96 Hr LC50 Gambusia affinis: 282 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. Do not reuse empty container. Rinse container and offer for recycling where facilities exist.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)

UN 1789, Hydrochloric Acid Solution, Class 8, PG II,
Re-Classed as Consumer Commodity ORM-D

Transportation of Dangerous Goods (TDG - Canada)

UN 1789, Hydrochloric Acid Solution, Class 8, PG II,
Re-Classed as Consumer Commodity / Limited Quantity

IMDG (Marine Transport)

UN 1789, Hydrochloric Acid Solution, Class 8, PG II,
Limited Quantity

IATA/ICAO (Air)

UN 1789 - Hydrochloric Acid solution, Class 8, PG II

15. Regulatory Information

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

Product Registration: Not registered

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Hydrochloric acid 7647-01-0 5000 Lb final RQ; 2270 kg final RQ

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

Hydrochloric acid 7647-01-0 5000 Lb EPCRA RQ (gas only)

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

Hydrochloric acid 7647-01-0 500 Lb TPQ (gas only)

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Hydrochloric acid 7647-01-0 1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

U.S. - CWA (Clean Water Act) - Hazardous Substances

Hydrochloric acid 7647-01-0 Present

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

Hydrochloric acid: 5000.0000

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.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Hydrochloric acid 7647-01-0 Present

U.S. - Illinois - Toxic Air Contaminants

Hydrochloric acid 7647-01-0 Present (aerosol)

U.S. - Louisiana - Reportable Quantity List for Pollutants

Hydrochloric acid 7647-01-0 5000 Lb RQ (applies to unauthorized emissions based on total mass emitted into or onto all media within any consecutive 24-hour period); 1000 lb RQ (applies to unauthorized emissions based on total mass emitted into the atmosphere)

U.S. - Massachusetts - Right To Know List

Hydrochloric acid 7647-01-0 Extraordinarily hazardous

U.S. - Minnesota - Hazardous Substance List

Hydrochloric acid 7647-01-0 Present

U.S. - New Jersey - Right to Know Hazardous Substance List

Hydrochloric acid 7647-01-0 sn 1012

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

Hydrochloric acid 7647-01-0 5000 Lb RQ (air); 100 lb RQ (land/water)

U.S. - North Carolina - Control of Toxic Air Pollutants

Hydrochloric acid 7647-01-0 0.7 mg/m3 (acute irritants)

U.S. - Ohio - Extremely Hazardous Substances - Threshold Quantities

Hydrochloric acid 7647-01-0 500 Lb TQ (gas only)

U.S. - Pennsylvania - RTK (Right to Know) List

Hydrochloric acid 7647-01-0 Environmental hazard

U.S. - Rhode Island - Hazardous Substance List

Hydrochloric acid 7647-01-0 Toxic; Flammable

U.S. - Texas - Tier II Chemical Reporting - Extremely Hazardous Substances - Reportable Quantities

Hydrochloric acid 7647-01-0 5000 Lb RQ

U.S. - Texas - Tier II Chemical Reporting - Extremely Hazardous Substances - Threshold Planning Quantities

Hydrochloric acid 7647-01-0 500 Lb TPQ (gas)

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)

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

36241-02212 - 32 oz. - Professional VANI-SOL® High Acid Bowl Cleanse Ready-to-use - 361765

Issue date

16-Jul-2010

Effective date

15-Jul-2010

Prepared by

Reckitt Benckiser Regulatory Department 800-333-3899

Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.