

SAFETY DATA SHEET

Conforms to OSHA HazCom 2012 Standard

Section 1 - Identification

Product Identifier DEE's BLUE RIBBON Acid Disinfectant Bowl & Porcelain Cleaner
Recommended use Disinfectant Toilet Bowl Cleaner
Recommended restrictions EPA Registered Product. For Commercial and Industrial Use Only. (RTU) Ready-To-Use solution.

Manufacturer / Importer / Supplier / Distributor Information
Company Name DESANTIS JANITOR SUPPLY CO.
Address 100 Mead Ave. · Meadville, PA 16335-3529
Telephone
Supplier Email
Contact
Emergency Phone (814) 724-2508

Section 2 - Hazard(s) Identification

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

	Classification	Category	
Physical Hazards	Metal Corrosion	1	
Health Hazards	Acute toxicity, oral	4	
	Serious eye damage/eye irritation	1	
	Skin corrosion/irritation	1B	
	Specific target organ toxicity, single exposure	3	TARGET ORGAN: respiratory tract irritation

OSHA defined hazards Not Classified.

Label Elements
Hazard Symbol



Signal Word

Danger

Hazard statement

May be corrosive to metals. Causes severe skin burns and eye damage. Harmful if swallowed. May cause respiratory irritation.

Precautionary statement

Prevention

Keep only in original container. Use only in a well-ventilated area. Do not breathe mist or vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. Specific treatment (see first aid section of this material safety data sheet on this label). Wash contaminated clothing before reuse.

Storage

Keep container tightly closed. Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Section 3 - Composition/Information on ingredients

Mixture

Hazardous Components

Ingredient Name	CAS #	%
Hydrochloric Acid	7647-01-1	9.6 - 10.2
Quaternary Ammonium Chloride compounds	mixture	0.08 - 0.12

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Composition Comments

Components not listed are either non-hazardous or are below reportable limits.

Section 4 - First-aid Measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Skin contact

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most Important symptoms /effects, acute and delayed

Corrosive effects. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness could result. Prolonged or repeated skin contact may aggravate existing skin conditions. Inhalation of mists may aggravate existing chronic respiratory conditions such as asthma, emphysema or bronchitis.

Indication of immediate medical attention and special treatment

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 - Fire-fighting measures

Suitable extinguishing media

RTU product, will not support combustion. Water fog. Foam. Carbon dioxide

Unsuitable extinguishing media

(CO₂) Do not use a heavy water stream.

Specific hazards arising from the chemical

During fire, Corrosive vapors and gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if you can do it without risk.

Fire-fighting equipment /instruction

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

General fire hazards

Insufficient data available on direct fire hazard (flashpoint > 200°C). This product is not flammable or combustible.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.

Isolate area. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the SDS.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling

Avoid breathing mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage

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Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - Exposure control/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Hydrochloric Acid (CAS 7647-01-1)	TWA	7 mg/m ³ , 5 ppm

US. ACGIH Threshold Limit Values

Component	Type	Value
Hydrochloric Acid (CAS 7647-01-1)	TLV-C	2ppm, URT irr

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eyewash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Other

If conditions risk exposure, wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Section 9 - Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Turbid liquid.

Color

Milky Blue.

Odor

Cherry.

Odor threshold

Not available.

pH

< 2

Melting point/freezing point

No data available.

Initial boiling point and boiling range

No data available.

Flash point

No data available.

Evaporation rate

No data available.

Flammability (solid, gas)

No data available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

No data available.

Flammability limit - upper (%)

No data available.

Explosive limit - lower (%)

No data available.

Explosive limit - upper (%)

No data available.

Vapor pressure

No data available.

Vapor density

No data available.

Relative density

1.04 ± 0.01

Relative density temperature

75 °F (23.89 °C)

Solubilities

Complete

Partition Coefficient n-octanol/water

Not available.

Auto-ignition temperature

Not available.

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Decomposition temperature	Water: Solubility in water of component(s) of the mixture : • hydrochloric acid: Complete • nonylphenoxypoly(ethyleneoxy)ethanol: soluble • 2-propanol: Complete
Viscosity	<100 cSt
Viscosity Temperature	75°F (23.9°C)

Section 10 - Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reaction	Not established.
Conditions to Avoid	Do not mix with other chemicals. Contact with incompatible materials.
Incompatible materials	Bases. Amines. Alkanolamines, Isocyanates, Copper, Metals, Oxidizing or Reducing agents. Anionic surfactants.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide. Corrosive vapors; Hydrogen chloride.

Section 11 - Toxicological information

Information on likely routes of exposure

Ingestion	Causes digestive tract burns.
Inhalation	May cause irritation to the respiratory system.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.

Information on toxicological effects.

Acute toxicity May be harmful if swallowed.

Components	Level	Type	Code	Species	Results
Hydrochloric Acid (CAS 7647-01-1)	Acute	Oral	LD50	Rat	700 mg/kg
	Acute	Dermal	LD50	Rabbit	>5010 mg/kg

Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/ eye irritation	Causes serious eye damage.
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects. Not classified.
Specific target organ toxicity - single exposure	Eyes, Skin, Respiratory system.
Specific target organ toxicity - repeated exposure	Eyes, Skin, Respiratory system.
Aspiration hazard	Not an aspiration hazard.

Section 12 - Ecological Information

Ecotoxicity Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Components

Hydrochloric Acid, 7647-01-1

Aquatic

Acute	Fish	LC50	Leuciscus idus	862 mg/l, 48 hours
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Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential Not established.

Mobility in soil Not available.

Mobility in general May be harmful to plant growth, blooming and fruit formation.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

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Section 13 - Disposal considerations

Disposal instructions

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying. (For containers 5 gallons or less):

Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport information

DOT

UN number	UN1903
UN proper shipping name	DISINFECTANT LIQUID CORROSIVE, N.O.S. (HYDROCHLORIC ACID, QUATERNARY AMMONIUM COMPOUND)
Transport hazard class(es)	8
Packing group	II
Special precautions for users	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	A3, A6, B3, B15 IB2, N41, T8, TP2, TP12
Packaging exemption	154
Packaging non bulk	202
Packaging bulk	242

IATA

UN number	UN1903
UN proper shipping name	DISINFECTANT LIQUID CORROSIVE, N.O.S. (HYDROCHLORIC ACID, QUATERNARY AMMONIUM COMPOUND)
Transport hazard class(es)	8
Packaging group	II
Environmental hazards	No
ERG Code	8L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1903
UN proper shipping name	DISINFECTANT LIQUID CORROSIVE, N.O.S. (HYDROCHLORIC ACID, QUATERNARY AMMONIUM COMPOUND)
Transport hazard class(es)	8
Packaging group	II
Environmental hazards	No
Marine pollutant	
EmS	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

General Information

This substance/mixture is not intended to be transported in bulk.

Section 15 - Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-CERCLA Hazardous Substance List (40 CFR 302.4)

All components are on the U.S. EPA TSCA Inventory List.

Not regulated.

Not listed.

Components

Hydrochloric Acid (CAS 7647-01-1)

Result

LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard	Immediate Hazard	Yes
Categories	Delayed Hazard	No
	Fire Hazard	No
	Pressure Hazard	No
	Reactivity Hazard	Yes

Chemical name	CAS #	Reportable Quantity	Threshold Planning Quantity	Threshold Planning quantity, lower value	Threshold Planning quantity, upper
Hydrochloric Acid	7647-01-1	5000	500		

SARA 302 Extremely hazardous substance Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS #	% by wt.
Hydrochloric Acid	7647-01-1	9.6 - 10.2

Other federal regulations

Components

Hydrochloric Acid (CAS 7647-01-1)

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations

US.Massachusetts RTK - Substance List Components
Hydrochloric Acid (CAS 7647-01-1)

US.New Jersey Worker and Community Right-to-Know Act Components
Hydrochloric Acid (CAS 7647-01-1)

US.Pennsylvania RTK - Hazardous Substances Components
Hydrochloric Acid (CAS 7647-01-1)

US.Rhode Island RTK Components
Hydrochloric Acid (CAS 7647-01-1)

US - California Proposition 65 This product is not known to contain any chemical currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No

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Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other information, including date of preparation or last version

Issue date 1/20/2016

Version # 01

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