

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



SCRUBBING BUBBLES® TOILET BOWL CLEANER- CITRUS

Version 1.1

Print Date 12/14/2017

Revision Date 09/12/2017

SDS Number 350000032524GEN_SOF
Number 59841

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : SCRUBBING BUBBLES® TOILET BOWL CLEANER- CITRUS

Recommended use : Toilet Cleaner

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson and Son, Limited
1 Webster Street
Brantford ON N3T 5R1

Telephone : +1-800-558-5566

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647
24 Hour Canadian Transport Emergency Phone (CANUTEC)
(613) 996-6666

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Skin corrosion	Category 1B	Causes severe skin burns and eye damage.
Serious eye damage	Category 1	Causes serious eye damage.

Labelling

Hazard symbols

Corrosion

Signal word

Danger

Hazard statements

Causes serious eye damage.

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Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Immediately call a POISON CENTER/doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Wear protective gloves/ protective clothing/ eye protection/ face protection.

Wash hands thoroughly after handling.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by Canadian Hazardous Products Regulation are listed in this table.

Chemical name	CAS-No.	Weight percent
Hydrochloric acid	7647-01-0	5.00 - 7.00
2,2'-(octadec-9-enylimino)bisethanol	25307-17-9	1.50 - 3.00
Alcohols, C13-15-branched and linear, ethoxylated EO=8	68002-97-1	1.00 - 1.50

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

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rinsing. Immediately call a POISON CENTER/doctor. Get medical attention immediately.

Skin contact

: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor.

Inhalation

: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion

: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Eyes : Causes serious eye damage.

Skin effect : Causes severe skin burns.
No adverse effects expected when used as directed.

Inhalation : May cause respiratory tract irritation.

Ingestion : Causes digestive tract burns.
No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards during firefighting : Container may melt and leak in heat of fire.

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: Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

: Wear personal protective equipment.
Wash thoroughly after handling.

Environmental precautions

: Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up

: Dike large spills.
Clean residue from spill site.
Absorb spillage to prevent material damage.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling

: Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Avoid breathing vapours, mist or gas.
Wash thoroughly after handling.

Advice on protection against fire and explosion

: Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers

: Keep container closed when not in use.
Store locked up.
Store in original container.

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Store in corrosive resistant aluminium container with a resistant
inner liner.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection	: Use only with adequate ventilation. Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.
Hand protection	: Rubber gloves
Eye protection	: Wear splash-resistant Chemical goggles.
Skin and body protection	: Protective footwear.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Color	: green
Odour	: Citrus
Odour Threshold	: Test not applicable for this product type
pH	: < 1

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Melting point/freezing point : 0 °C

**Initial boiling point and
boiling range** : 100 °C

Flash point : > 100 °C
> 212 °F

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : Does not sustain combustion.

**Upper/lower flammability or
explosive limits** : Test not applicable for this product type

Vapour pressure : Test not applicable for this product type

Vapour density : Test not applicable for this product type

Relative density : 1.01 - 1.05 g/cm3

Solubility(ies) : soluble

**Partition coefficient: n-
octanol/water** : Test not applicable for this product type

Auto-ignition temperature : Test not applicable for this product type

Decomposition temperature : Test not applicable for this product type

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Viscosity, dynamic	:	400 - 700 mPa.s at 20 °C
Viscosity, kinematic	:	Test not applicable for this product type
Oxidizing properties	:	Test not applicable for this product type
Volatile Organic Compounds	:	0.1 % - additional exemptions may apply
Total VOC (wt. %)*	:	*as defined by US Federal and State Consumer Product Regulations
Other information	:	None identified

10. STABILITY AND REACTIVITY

Reactivity	:	Do not mix with bleach or any other household cleaners.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	Direct sources of heat.
Incompatible materials	:	Do not mix with bleach or any other household cleaners.
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 3715 mg/kg

Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion	Category 1B	-
Serious eye damage	Category 1	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single	No classification proposed	-

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exposure		
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Hydrochloric acid	semi-static test LC50	Lepomis macrochirus (Bluegill sunfish)	3.25 - 3.5 mg/l	96 h
2,2'-(octadec-9-enylimino)bisethanol	LC50 Read-across (Analogy)	Danio rerio (zebra fish)	0.1 mg/l	96 h
Alcohols, C13-15-branched and linear, ethoxylated EO=8	LC50	Oncorhynchus mykiss (rainbow trout)	> 1 - < 10 mg/l	48 h

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Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Hydrochloric acid	static test EC50	Daphnia magna (Water flea)	4.92 mg/l	48 h
2,2'-(octadec-9-enylimino)bisethanol	EC50 Measured	Daphnia magna (Water flea)	0.043 mg/l	48 h
	EC10	Daphnia magna (Water flea)	0.0107 mg/l	21 d
Alcohols, C13-15-branched and linear, ethoxylated EO=8	EC50	Daphnia magna (Water flea)	> 1 - < 10 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Hydrochloric acid	static test EC50	Chlorella vulgaris (Fresh water algae)	4.7 mg/l	72 h
2,2'-(octadec-9-enylimino)bisethanol	Growth inhibition EC50	Pseudokirchneriella subcapitata (green algae)	0.0867 mg/l	72 h
Alcohols, C13-15-branched and linear, ethoxylated EO=8	EC50	Desmodesmus subspicatus (green algae)	> 1 - < 10 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure	Summary
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		time	
Hydrochloric acid	No data available		
2,2'-(octadec-9-enylimino)bisethanol	44 %	28 d	Not readily biodegradable.
Alcohols, C13-15-branched and linear, ethoxylated EO=8	60 %	28 d	Readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Hydrochloric acid	No data available	0.25
2,2'-(octadec-9-enylimino)bisethanol	No data available	3.4 Calculated
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available	No data available

Mobility

Component	End point	Value
Hydrochloric acid	No data available	
2,2'-(octadec-9-enylimino)bisethanol	No data available	
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available	

PBT and vPvB assessment

Component	Results
Hydrochloric acid	Not fulfilling PBT and vPvB criteria
2,2'-(octadec-9-enylimino)bisethanol	Not fulfilling PBT and vPvB criteria
Alcohols, C13-15-branched and linear, ethoxylated EO=8	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

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13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

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	Land transport	Sea transport	Air transport
UN number	1760	1760	1760
UN proper shipping name	Corrosive Liquid, N.O.S. (Hydrochloric acid, 2,2'-(Octadec-9-enylimino)bisethanol)	Corrosive Liquid, N.O.S. (Hydrochloric acid, 2,2'-(Octadec-9-enylimino)bisethanol)	Corrosive Liquid, N.O.S. (Hydrochloric acid, 2,2'-(Octadec-9-enylimino)bisethanol)
Transport hazard class(es)	8	8	8
Packing group	II	II	II
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

15. REGULATORY INFORMATION

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

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California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.

Canada Regulations : 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.

16. OTHER INFORMATION

HMIS Ratings

Health	3
Flammability	0
Reactivity	0

NFPA Ratings

Health	3
Fire	0
Reactivity	0
Special	-

This information is being provided in accordance with Canada's Workplace Hazard Material Information System. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

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