

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



TOILET DUCK® AUTOMATIC - BLUE

Version 1.2

Print Date 09/01/2015

Revision Date 08/13/2015

SDS Number 350000003672

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : TOILET DUCK® AUTOMATIC - BLUE

Recommended use : Toilet Cleaner

Manufacturer, importer, supplier : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Telephone : +18005585252
Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour International Emergency Phone: (703)527-3887
24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Acute toxicity	Category 4	Harmful if inhaled.

Labelling

Hazard symbols

Exclamation mark

Signal word

Warning

Hazard statements

Harmful if inhaled.

Precautionary statements

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

Keep out of reach of children.

Read label before use.

Call a POISON CENTER or doctor/ physician if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Dispose of contents/ container to an approved incineration plant.

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Avoid breathing spray.

Use only outdoors or in a well-ventilated area.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Sodium sulfate	7757-82-6	30.00 - 60.00
Sodium dodecylbenzenesulfonate	25155-30-0	30.00 - 60.00
Sodium borate	1330-43-4	1.00 - 5.00
CI acid blue #9, disodium salt	3844-45-9	1.00 - 5.00
Benzyl acetate	140-11-4	1.00 - 5.00
4-TERT-BUTYLCYCLOHEXYL ACETATE	32210-23-4	0.10 - 1.00
Eugenol	97-53-0	0.10 - 1.00

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

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion : No special requirements

5. FIREFIGHTING MEASURES

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

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Further information : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wash thoroughly after handling.

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

Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal. Clean residue from spill site.

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. Use only outdoors or in a well-ventilated area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Sodium borate	1330-43-4	6 mg/m3	-	-	ACGIH STEL
Sodium borate	1330-43-4	2 mg/m3	-	-	ACGIH TWA
Benzyl acetate	140-11-4	-	10 ppm	-	ACGIH TWA

Personal protective equipment**Respiratory protection** : Use only with adequate ventilation.**Hand protection** : No special requirements.**Eye protection** : No special requirements.**Skin and body protection** : No special requirements.**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.**9. PHYSICAL AND CHEMICAL PROPERTIES****Form** : solid**Color** : blue white**Odor** : Marine/Ozone**Odour Threshold** : Test not applicable for this product type

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pH : Test not applicable for this product type

Melting point/freezing point : Test not applicable for this product type

Initial boiling point and boiling range : Test not applicable for this product type

Flash point : Test not applicable for this product type

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 : Test not applicable for this product type

Solubility(ies) : negligible

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	: Test not applicable for this product type	
Viscosity, kinematic	: Test not applicable for this product type	
Oxidizing properties	: Test not applicable for this product type	
Volatile Organic Compounds	: 4 % - 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

Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: Direct sources of heat.
Incompatible materials	: None known.
Hazardous decomposition products	: Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Emergency Overview	: Warning
Acute oral toxicity	: NA GHS LD50 Calculated 4,534 mg/kg see user defined free text
Acute inhalation toxicity	: NA GHS LC50 (dust and mist)

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Calculated
2.53 mg/l
see user defined free text

Acute dermal toxicity : NA GHS LD50
estimated
> 5,000 mg/kg
see user defined free text

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	Category 4	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
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 exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-

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Aspiration hazard	No classification proposed	-
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Aggravated Medical Condition : None known.

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
Sodium sulfate	static test LC50	Lepomis macrochirus	3,040 - 4,380 mg/l	96 h
Sodium dodecylbenzenesulfonate	LC50	Fish	1 - 5 mg/l	96 h
Sodium borate	LC50	Limanda Limanda	74 mg/l	96 h
Cl acid blue #9, disodium salt	No data available			
Benzyl acetate	flow-through test LC50	Oryzias latipes	4 mg/l	96 h
	flow-through test NOEC	Oryzias latipes	0.92 mg/l	28 d

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4-TERT-BUTYLCYCLOHEXYL ACETATE	flow-through test LC50	Pimephales promelas (fathead minnow)	6.5 mg/l	96 h
Eugenol	semi-static test LC50	Danio rerio (zebra fish)	13 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Sodium sulfate	EC50	Daphnia magna (Water flea)	650 mg/l	96 h
Sodium dodecylbenzenesulfonate	EC50 No data available		5 - 15 mg/l	48 h
Sodium borate	LC50	Daphnia magna (Water flea)	123 - 159 mg/l	48 h
Cl acid blue #9, disodium salt	EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
Benzyl acetate	semi-	Daphnia magna (Water	17 mg/l	48 h

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	static test EC50	flea)		
4-TERT-BUTYLCYCLOHEXYL ACETATE	static test EC50	Daphnia magna (Water flea)	5.3 mg/l	48 h
Eugenol	static test EC50	Daphnia magna (Water flea)	1.05 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Sodium sulfate	No data available			
Sodium dodecylbenzenesulfonate	IC50	Algae	1 - 5 mg/l	72 h
Sodium borate	Static EC50	Pseudokirchneriella subcapitata (green algae)	2.6 - 21.8 mg/l	96 h
Cl acid blue #9, disodium salt	No data available			
Benzyl acetate	static test EC50	Desmodesmus subspicatus (green algae)	110 mg/l	72 h
4-TERT-BUTYLCYCLOHEXYL ACETATE	static test EC50	Desmodesmus subspicatus (green algae)	22 mg/l	72 h
Eugenol	static test EC50	Desmodesmus subspicatus (green algae)	24 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Sodium sulfate	No data available		
Sodium	> 60 %	28 d	Readily biodegradable

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dodecylbenzenesulfonate			
Sodium borate	No data available		
Cl acid blue #9, disodium salt	No data available		Not readily biodegradable.
Benzyl acetate	100 %	28 d	Readily biodegradable
4-TERT-BUTYLCYCLOHEXYL ACETATE	75 %	28 d	Readily biodegradable
Eugenol	82 %	28 d	Readily biodegradable

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Sodium sulfate	No data available	No data available
Sodium dodecylbenzenesulfonate	506 estimated	1.96
Sodium borate	No data available	No data available
Cl acid blue #9, disodium salt	No data available	No data available
Benzyl acetate	8 Calculated	1.96
4-TERT-BUTYLCYCLOHEXYL ACETATE	234 - 334.6 QSAR	4.8
Eugenol	No data available	1.83

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Mobility

Component	End point	Value
Sodium sulfate	No data available	
Sodium dodecylbenzenesulfonate	No data available	
Sodium borate	No data available	
Cl acid blue #9, disodium salt	No data available	
Benzyl acetate	Koc	250 estimated
4-TERT-BUTYLCYCLOHEXYL ACETATE	Koc	> 3243 - < 4603 Calculated
Eugenol	log Koc	2.2

PBT and vPvB assessment

Component	Results
Sodium sulfate	Not fulfilling PBT and vPvB criteria
Sodium dodecylbenzenesulfonate	Not fulfilling PBT and vPvB criteria
Cl acid blue #9, disodium salt	Not fulfilling PBT and vPvB criteria
Benzyl acetate	Not fulfilling PBT and vPvB criteria
4-TERT-BUTYLCYCLOHEXYL ACETATE	Not fulfilling PBT and vPvB criteria
Eugenol	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.**13. DISPOSAL CONSIDERATIONS**

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

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14. TRANSPORT INFORMATION

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

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

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

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16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	0
Reactivity	0

NFPA Ratings

Health	1
Fire	0
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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