

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



Non-Acid Bowl and Bathroom Cleaner (EPA Reg No. 8155-5-89900)

Version 1.0

Print Date 01/19/2017

Revision Date 11/17/2015

SDS Number 350000029545
GEN_SOF Number 55616

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

- Product name** : **Non-Acid Bowl and Bathroom Cleaner (EPA Reg No. 8155-5-89900)**
- 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
Eye irritation	Category 2A	Causes serious eye irritation.

Labelling

Hazard symbols
Exclamation mark

Signal word
Warning

Hazard statements
Causes serious eye irritation.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

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

If eye irritation persists: Get medical advice/ attention.

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

Wash hands thoroughly after handling.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Diethylene glycol monobutyl ether	112-34-5	1.00 - 5.00
Tetrasodium ethylene diamine tetraacetate	64-02-8	1.00 - 5.00
Ethoxylated linear alcohol EO=9	68131-39-5	1.00 - 5.00
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	0.10 - 1.00
Alkyl ethylbenzalkonium	85409-23-0	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 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

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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.
- 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** : Dike large spills.
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.** 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.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Diethylene glycol monobutyl ether	112-34-5	-	35 ppm	-	SUPPLIER
Diethylene glycol monobutyl ether	112-34-5	-	10 ppm	-	ACGIH TWA

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : Safety glasses with side-shields

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 : liquid

Color : Aqua

Odor : Fruity Floral

Odour Threshold : Test not applicable for this product type

pH : 10.5

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Melting point/freezing point	: 32 °F
Initial boiling point and boiling range	: 100 °C
Flash point	: does not flash
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: The product is not flammable.
Upper/lower flammability or explosive limits	: No data available
Vapour pressure	: Test not applicable for this product type
Vapour density	: Test not applicable for this product type
Relative density	: 1.010 g/cm ³
Solubility(ies)	: completely soluble
Partition coefficient: n-octanol/water	: Test not applicable for this product type
Auto-ignition temperature	:
Decomposition temperature	: Test not applicable for this product type
Viscosity, dynamic	: similar to water

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Viscosity, kinematic	:	No data available	:
Oxidizing properties	:	No data available	:
Volatile Organic Compounds Total VOC (wt. %)*	:	0.2 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	:
Other information	:	None identified	:

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	:	No data available	:
Possibility of hazardous reactions	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.	:
Conditions to avoid	:	Direct sources of heat.	:
Incompatible materials	:	Do not mix with bleach or any other household cleaners. Strong bases	:
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.	:

11. TOXICOLOGICAL INFORMATION

Emergency Overview	:	Warning	:
Acute oral toxicity	:	LD50 Calculated > 5,000 mg/kg	:
Acute inhalation toxicity	:	Inhalation LC50 (dust and mist)	:

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Calculated
> 5.0 mg/l

Acute dermal toxicity : LD50
Calculated
> 5,000 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/irritation	No classification proposed	-
Eye irritation	Category 2A	-
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	-
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
Diethylene glycol monobutyl ether	static test LC50	Lepomis macrochirus (Bluegill sunfish)	1,300 mg/l	96 h
Tetrasodium ethylene diamine tetraacetate	static test LC50	Lepomis macrochirus	41 mg/l	96 h
	NOEC	Danio rerio (zebra fish)	> 25.7 mg/l	35 d
Ethoxylated linear alcohol EO=9	LC50	Fish	1.03 - 1.16 mg/l	96 h
Alkyl dimethyl benzyl ammonium chloride	semi-static test LC50	Lepomis macrochirus (Bluegill sunfish)	0.28 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.03 mg/l	34 d
Alkyl ethylbenzalkonium	semi-static test LC50	Lepomis macrochirus (Bluegill sunfish)	0.28 mg/l	96 h

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	NOEC	Pimephales promelas (fathead minnow)	0.03 mg/l	34 d
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Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Diethylene glycol monobutyl ether	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
Tetrasodium ethylene diamine tetraacetate	EC50	Daphnia magna (Water flea)	140 mg/l	48 h
	NOEC	Daphnia magna	25 mg/l	21 d
Ethoxylated linear alcohol EO=9	static test EC50	Daphnia magna (Water flea)	0.14 mg/l	48 h
Alkyl dimethyl benzyl ammonium chloride	EC50	Daphnia magna (Water flea)	0.0059 mg/l	48 h
Alkyl ethylbenzalkonium	EC50	Daphnia magna (Water flea)	0.0059 mg/l	48 h

Toxicity to aquatic plants

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Components	End point	Species	Value	Exposure time
Diethylene glycol monobutyl ether	Growth inhibition EC50	Desmodesmus subspicatus (green algae)	> 100 mg/l	96 h
Tetrasodium ethylene diamine tetraacetate	EC50	Desmodesmus subspicatus	1.01 mg/l	72 h
Ethoxylated linear alcohol EO=9	EC0	Algae	0.1 - 1 mg/l	72 h
Alkyl dimethyl benzyl ammonium chloride	EC50		0.03 mg/l	
Alkyl ethylbenzalkonium	EC50		0.03 mg/l	

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Diethylene glycol monobutyl ether	80 - 90 %	28 d	Readily biodegradable
Tetrasodium ethylene diamine tetraacetate	10 %	28 d	Not readily biodegradable.
Ethoxylated linear alcohol EO=9	72 %	28 d	
Alkyl dimethyl benzyl ammonium chloride	60 %	13 d	Readily biodegradable
Alkyl ethylbenzalkonium			Readily biodegradable

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Diethylene glycol monobutyl ether	1.12 estimated	1
Tetrasodium ethylene diamine tetraacetate	1.8 Measured	-3.86
Ethoxylated linear alcohol	237	4.43 - 6.05

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EO=9		
Alkyl dimethyl benzyl ammonium chloride	182.8	3.91
Alkyl ethylbenzalkonium	182.8	3.91

Mobility

Component	End point	Value
Diethylene glycol monobutyl ether	No data available	
Tetrasodium ethylene diamine tetraacetate	Koc	1046 estimated
Ethoxylated linear alcohol EO=9	No data available	
Alkyl dimethyl benzyl ammonium chloride	Koc	640389 - 6171657
Alkyl ethylbenzalkonium	Koc	640389 - 6171657

PBT and vPvB assessment

Component	Results
Diethylene glycol monobutyl ether	Not fulfilling PBT and vPvB criteria
Tetrasodium ethylene diamine tetraacetate	Not fulfilling PBT and vPvB criteria
Ethoxylated linear alcohol EO=9	Not fulfilling PBT and vPvB criteria
Alkyl dimethyl benzyl ammonium chloride	Not fulfilling PBT and vPvB criteria
Alkyl ethylbenzalkonium	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

FIFRA Labeling

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

CAUTION:

Causes moderate eye irritation.
Harmful if absorbed through skin.
Harmful if inhaled.

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.

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

State Right To Know

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Massachusetts RTK	Diethylene glycol monobutyl ether	112-34-5
No components are subject to the Minnesota "Right To Know" Act		
New Jersey HRTK	Diethylene glycol monobutyl ether	112-34-5
Pennsylvania RTKL	Water	7732-18-5
	Diethylene glycol monobutyl ether	112-34-5

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	0
Reactivity	0

NFPA Ratings

Health	2
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 &
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	Regulatory Affairs (GSARA)
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