

# SAFETY DATA SHEET



QUIK FILL 91 HD ACID BATHROOM CLEANER

## Section 1. Chemical product and company identification

**Product name** : QUIK FILL 91 HD ACID BATHROOM CLEANER

**Recommended use and restrictions** : Cleaning product

Use only for the purpose on the product label.

**Product dilution information** : Up to 14 oz/gal or 111 mL/L in water

**Supplier's information** : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326

**Code** : 903576-05

**Date of issue** : 28 Oct 2013

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

## Section 2. Hazards identification

**GHS Classification** : **Product AS SOLD**  
: SKIN CORROSION/IRRITATION - Category 1  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

### GHS label elements

**Signal word** : Danger

**Symbol** :



**Hazard statements** : Causes severe skin burns and eye damage.

### Precautionary statements

**Prevention** : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products - will cause chlorine gas.

**Response** : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a

### **Product AT USE DILUTION**

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

Warning

Causes eye irritation.

Wash hands thoroughly after handling.

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 attention.

## Section 2. Hazards identification

POISON CENTER or physician.

**Storage** : No other specific measures identified.

**Disposal** : See section 13 for waste disposal information.

**Other hazards** : None known.

No other specific measures identified.

See section 13 for waste disposal information.

None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

### Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
BUTOXYDIGLYCOL	12	112-34-5
CITRIC ACID	5 - 20	77-92-9
alcohols, c9-11, ethoxylated	5 - 20	68439-46-3
methanesulphonic acid	1 - 5	75-75-2

### Product AT USE DILUTION

Hazardous ingredients	Concentration Range (%)	CAS number
BUTOXYDIGLYCOL	1	112-34-5
CITRIC ACID	1 - 5	77-92-9

## Section 4. First aid measures

Product AS SOLD		Product AT USE DILUTION
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
Skin contact	: Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	No known effect after skin contact. Rinse with water for a few minutes.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.	No special measures required. Treat symptomatically.
Ingestion	: Get medical attention immediately. Rinse mouth. Do not induce vomiting.	Get medical attention if symptoms occur.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
See toxicological information (section 11)		

## Section 5. Fire-fighting measures

### Product AS SOLD

- Suitable fire extinguishing media** : Use water spray, fog or foam.
- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
sulfur oxides
- Specific fire-fighting methods** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Product AS SOLD

- Personal precautions** : Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.
- Environmental precautions** : Avoid contact of spilled material and runoff with soil and surface waterways.
- Methods for cleaning up** : Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Use a water rinse for final clean-up.

### Product AT USE DILUTION

Use personal protective equipment as required.

Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Use a water rinse for final clean-up.

## Section 7. Handling and storage

### Product AS SOLD

- Handling** : Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling. Do not mix with bleach or other chlorinated products - will cause chlorine gas.
- Storage** : Keep out of reach of children. Keep container tightly closed.
- Do not store below the following temperature: 0°C

### Product AT USE DILUTION

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Keep out of reach of children. Keep container tightly closed.

## Section 8. Exposure controls/personal protection

### Control parameters

Ingredient name	Exposure limits
BUTOXYDIGLYCOL	ACGIH TLV (United States, 3/2012). TWA: 10 ppm 8 hours. Form: Inhalable fraction and vapor

<b>Product AS SOLD</b>		<b>Product AT USE DILUTION</b>
<b>Appropriate engineering controls</b>	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eye protection</b>	: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.	No protective equipment is needed under normal use conditions.
<b>Hand protection</b>	: Use chemical-resistant, impervious gloves.	No protective equipment is needed under normal use conditions.
<b>Skin protection</b>	: Use synthetic apron, other protective equipment as necessary to prevent skin contact.	No protective equipment is needed under normal use conditions.
<b>Respiratory protection</b>	: A respirator is not needed under normal and intended conditions of product use.	A respirator is not needed under normal and intended conditions of product use.
<b>Hygiene measures</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

## Section 9. Physical and chemical properties

<b>Product AS SOLD</b>		<b>Product AT USE DILUTION</b>
<b>Physical state</b>	: Liquid.	Liquid.
<b>Color</b>	: Green	Green [Light]
<b>Odor</b>	: Sweetish	Sweetish
<b>pH</b>	: 0.04 to 0.54 (100%)	2 to 4
<b>Flash point</b>	: > 100°C	> 100°C
<b>Explosion limits</b>	: Not available.	
<b>Flammability (solid, gas)</b>	: Not available.	
<b>Melting point</b>	: Not available.	
<b>Boiling point</b>	: Not available.	
<b>Evaporation rate (butyl acetate = 1)</b>	: Not available.	
<b>Vapor pressure</b>	: Not available.	
<b>Vapor density</b>	: Not available.	
<b>Relative density</b>	: 1.053 to 1.073 (Water = 1)	
<b>Solubility</b>	: Not available.	
<b>Partition coefficient: n-octanol/water</b>	: Not available.	

## Section 9. Physical and chemical properties

<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>Viscosity</b>	: Kinematic (room temperature): 0 cm <sup>2</sup> /s (0 cSt)

## Section 10. Stability and reactivity

### Product AS SOLD

<b>Stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Materials to avoid</b>	: Highly reactive or incompatible with the following materials: alkalis. Reactive or incompatible with the following materials: metals. Incompatible with chlorinated solvents. Do not mix with bleach or other chlorinated products - will cause chlorine gas.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

<b>Route of exposure</b>	: Skin contact, Eye contact, Inhalation, Ingestion
--------------------------	--

### Product AS SOLD

#### Symptoms

<b>Eye contact</b>	: Adverse symptoms may include the following: pain watering redness
<b>Skin contact</b>	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
<b>Inhalation</b>	: Adverse symptoms may include the following: coughing Respiratory tract irritation
<b>Ingestion</b>	: Adverse symptoms may include the following: stomach pains

#### Acute toxicity

<b>Eye contact</b>	: Causes serious eye damage.
<b>Skin contact</b>	: Causes severe burns.
<b>Inhalation</b>	: May cause respiratory irritation.
<b>Ingestion</b>	: May cause burns to mouth, throat and stomach.

#### Toxicity data

##### Product/ingredient name

### Product AT USE DILUTION

Adverse symptoms may include the following:  
irritation  
watering  
redness  
No specific data.

No specific data.

No specific data.

Causes eye irritation.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.  
No known significant effects or critical hazards.

## Section 11. Toxicological information

2-(2-butoxyethoxy)ethanol	LD50 Dermal	Rabbit	2764 mg/kg
	LD50 Oral	Rat	3306 mg/kg
citric acid	LD50 Dermal	Rat	>2000 mg/kg
	LD50 Oral	Rat	11700 mg/kg
alcohols, c9-11, ethoxylated	LD50 Dermal	Rat	>5000 mg/kg
	LD50 Oral	Rat	1400 mg/kg
methanesulphonic acid	LD50 Dermal	Rabbit	>1000 mg/kg
	LD50 Oral	Rat	649 mg/kg

### Chronic toxicity

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

## Section 12. Ecological information

### Product AS SOLD

**Ecotoxicity** : This material is harmful to aquatic life.

### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
2-(2-butoxyethoxy)ethanol	Acute LC50 1300 mg/l	Fish	96 hours
citric acid	Acute LC50 >100 mg/l	Fish	96 hours
alcohols, c9-11, ethoxylated	Acute LC50 8.5 mg/l	Fish	96 hours
methanesulphonic acid	Acute EC50 70 mg/l	Daphnia	48 hours

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

### Product AS SOLD

**Disposal methods** : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

**RCRA classification** : Unused product is D002 (Corrosive)

### Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### DOT

<b>DOT Classification</b>	UN3265
<b>DOT Proper shipping name</b>	Corrosive liquid, acidic, organic, n.o.s. (methanesulphonic acid)
<b>Class</b>	8
<b>Packing group</b>	III

### IMO/IMDG

<b>IMO/IMDG Classification</b>	UN3265
<b>IMO/IMDG Proper shipping name</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (methanesulphonic acid)
<b>Class</b>	8
<b>Packing group</b>	III

For transport in bulk, see shipping documents for specific transportation information.

## Section 14. Transport information

### Product AT USE DILUTION

Not intended for transport.

## Section 15. Regulatory information

### Product AS SOLD

#### U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: 2-(2-butoxyethoxy)ethanol	112-34-5	12.291

California Prop. 65 : No listed substance

## Section 16. Other information

### Product AS SOLD

Hazardous Material :  
Information System (U.S.A.)

Health	3
Flammability	0
Physical hazards	0

National Fire Protection Association (U.S.A.) :



### Product AT USE DILUTION

Health	1
Flammability	0
Physical hazards	0



Date of issue : 28 Oct 2013  
Prepared by : Regulatory Affairs  
1-800-352-5326

#### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.