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

Product AS SOLD

GHS Classification : 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.

: No other specific measures identified. Storage

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

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

Section 4. First aid measures

Dro	duct	ΛC	e0I	\mathbf{r}

Eye contact : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention

immediately.

: Take off immediately all contaminated clothing. Skin contact

Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.

: Remove victim to fresh air and keep at rest in a Inhalation

position comfortable for breathing. Get medical attention immediately.

: Get medical attention immediately. Rinse mouth. Ingestion

Do not induce vomiting.

Product AT USE DILUTION

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

No known effect after skin contact. Rinse with water for a few minutes.

No special measures required. Treat symptomatically.

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.

: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have Notes to physician

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 Hazardous thermal

: In a fire or if heated, a pressure increase will occur and the container may burst.

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

Product AS SOLD

Appropriate engineering controls

: 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.

Personal protection

Eye protection

: Use chemical splash goggles. For continued or severe exposure wear a face shield over the

Hand protection

: Use chemical-resistant, impervious gloves.

Skin protection

: Use synthetic apron, other protective equipment

as necessary to prevent skin contact.

Respiratory protection

: A respirator is not needed under normal and intended conditions of product use.

Hygiene measures

Product AT USE DILUTION

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

A respirator is not needed under normal and intended conditions of product use.

: 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

Section 9. Physical and chemical properties

Product AS SOLD

before reusing.

Physical state : Liquid. Color : Green Odor : Sweetish

: 0.04 to 0.54 (100%) На

Flash point : > 100°C **Explosion limits** : Not available. Flammability (solid, : Not available.

gas)

Melting point : Not available. **Boiling point** : Not available. **Evaporation rate** : Not available. (butyl acetate = 1)

Vapor pressure : Not available. Vapor density : Not available.

Relative density : 1.053 to 1.073 (Water = 1)

Solubility : Not available. Partition coefficient: : Not available.

n-octanol/water

Product AT USE DILUTION

Liquid. Green [Light] Sweetish

2 to 4 > 100°C

Section 9. Physical and chemical properties

Auto-ignition temperature

: Not available.

Decomposition temperature

: Not available.

Odor threshold

: Not available.

Viscosity : Kinematic (room temperature): 0 cm²/s (0 cSt)

Section 10. Stability and reactivity

Product AS SOLD

Stability : The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

: No specific data.

Materials to avoid

: 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.

Hazardous decomposition

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

products

Section 11. Toxicological information

: Skin contact, Eye contact, Inhalation, Ingestion Route of exposure

Product AS SOLD

Symptoms

Eye contact : Adverse symptoms may include the following:

> watering redness

Skin contact : Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

Inhalation : Adverse symptoms may include the following:

coughing

Respiratory tract irritation

Ingestion : Adverse symptoms may include the following:

stomach pains

Acute toxicity

Eve contact : Causes serious eve damage.

Skin contact : Causes severe burns.

Inhalation : May cause respiratory irritation.

: May cause burns to mouth, throat and stomach. Ingestion

Product AT USE DILUTION

Adverse symptoms may include the following:

irritation watering redness

No specific data.

No specific data.

No specific data.

Causes eve irritation.

No known significant effects or critical

hazards.

No known significant effects or critical

hazards.

No known significant effects or critical

hazards.

Toxicity data

Product/ingredient name

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Section 11. Toxicological information

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

Chronic toxicity

Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Teratogenicity : No known significant effects or critical hazards.
 Developmental effects : No known significant effects or critical hazards.
 Fertility effects : 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

DOT Classification UN3265

DOT Proper shipping nameCorrosive liquid, acidic, organic, n.o.s. (methanesulphonic acid)

Class 8
Packing group III

IMO/IMDG

IMO/IMDG Classification UN3265

IMO/IMDG Proper shipping name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (methanesulphonic acid)

Class 8
Packing group 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

SARA 313 Product name CAS number Concentration

Form R - Reporting

requirements

: 2-(2-butoxyethoxy)ethanol

112-34-5

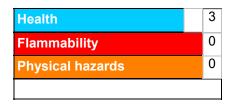
12.291

<u>California Prop. 65</u> : No listed substance

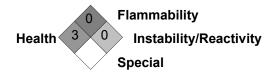
Section 16. Other information

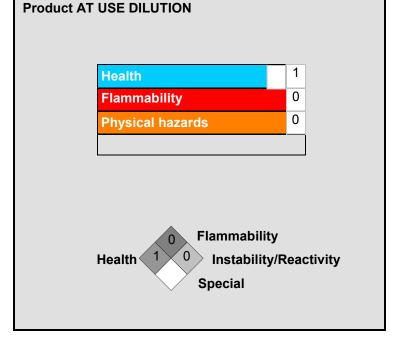
Product AS SOLD

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



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





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.