SAFETY DATA SHEET



KEYSTONE GLASS CLEANER

Section 1. Chemical product and company identification

Product name KEYSTONE GLASS CLEANER

Recommended use and

restrictions

: Glass Cleaner

Use only for the purpose on the product label.

Product dilution information : Up to 8 oz/gal or 62 mL/L in water

Supplier's information : Ecolab Inc. Institutional Division

> 370 N. Wabasha Street St. Paul. MN 55102 1-800-352-5326

Code : 914266-04 Date of issue : 13 Feb 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 : SERIOUS EYE DAMAGE/ EYE IRRITATION -

Category 2B

GHS label elements

Signal word : Warning

Hazard statements : Causes eye irritation.

Precautionary statements

Prevention : Wash hands thoroughly after handling.

Response : 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.

Storage : No other specific measures identified.

Disposal : See section 13 for waste disposal information.

Other hazards : None known. **Product AT USE DILUTION**

Not classified.

No signal word.

No known significant effects or critical

hazards.

Wash thoroughly after handling.

Get medical attention if symptoms appear.

Not applicable.

None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients Concentration Range (%) **CAS** number

d-glucopyranose, oligomeric, decyl octyl glycosides 5 - 2068515-73-1 Fragrance. Mixture

<1

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Section 3. Composition/information on ingredients

Product AT USE DILUTION

Hazardous ingredients Concentration Range (%) **CAS** number

Fragrance. <1 Mixture

Section 4. First aid measures

Product AS SOLD

: Rinse cautiously with water for several minutes. Eye contact

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

irritation persists.

Skin contact : No known effect after skin contact. Rinse with

water for a few minutes.

Inhalation : No special measures required. Treat

symptomatically.

: Get medical attention if symptoms occur. Ingestion

: 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.

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

Protection of first-

Suitable fire extinguishing

media

aiders

: Use water spray, fog or foam.

Specific hazards arising

from the chemical Hazardous thermal

decomposition products

Specific fire-fighting

methods

: No specific data.

: 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

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

mode.

Section 6. Accidental release measures

Product AS SOLD

Personal precautions **Environmental** : Use personal protective equipment as required.

: Avoid contact of large amounts of spilled material

and runoff with soil and surface waterways.

Methods for cleaning up

precautions

: Use a water rinse for final clean-up.

Product AT USE DILUTION

Product AT USE DILUTION

with water for a few minutes.

water for a few minutes.

symptomatically.

No known effect after eye contact. Rinse with

No known effect after skin contact. Rinse

Get medical attention if symptoms occur.

No special measures required. Treat

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: Avoid contact with eyes, skin and clothing. Wash

thoroughly after handling.

Storage: Keep out of reach of children. Keep container

tightly closed.

Store between the following temperatures: 5 and

50°C

Product AT USE DILUTION

Wash thoroughly after handling.

Keep out of reach of children.

Product AT USE DILUTION

contaminants.

normal use conditions.

normal use conditions.

normal use conditions.

Good general ventilation should be sufficient

to control worker exposure to airborne

No protective equipment is needed under

No protective equipment is needed under

No protective equipment is needed under

intended conditions of product use.

A respirator is not needed under normal and

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
None.	

Product AS SOLD

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne

contaminants.

Personal protection

Eye protection: No protective equipment is needed under normal

use conditions.

Hand protection: No protective equipment is needed under normal

use conditions.

Skin protection: No protective equipment is needed under normal

use conditions.

Respiratory protection

Hygiene measures

: 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

before reusing.

Section 9. Physical and chemical properties

Product AS SOLD

Physical state : Liquid.
Color : Blue

 Odor
 : Fragrance-like

 pH
 : 10.9 (100%)

 Flash point
 : > 100°C

Product does not support combustion.

Explosion limits Flammability (solid,

: Not available.: Not available.

gas)

Melting point : Not available.

Boiling point : 100°C (212°F)

Evaporation rate : Not available.

(butyl acetate = 1)

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

Relative density : 0.99 to 1.05 (Water = 1)

Product AT USE DILUTION

Liquid. Blue

Fragrance-like 7.2 to 7.9 > 100°C

Section 9. Physical and chemical properties

Solubility : Easily soluble in the following materials: cold

water and hot water.

Partition coefficient: : Not available.

n-octanol/water

Auto-ignition temperature

: Not available.

Decomposition

: Not available.

temperature

Odor threshold : Not available. : Not available. Viscosity

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 : Not available.

Hazardous decomposition

should not be produced.

products

: Under normal conditions of storage and use, hazardous decomposition products

Section 11. Toxicological information

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

Product AS SOLD

Symptoms

Eye contact : Adverse symptoms may include the following:

> irritation watering redness

Skin contact : No specific data. Inhalation : No specific data. Ingestion : No specific data.

Acute toxicity

Eye contact : Causes eye irritation.

Skin contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards. **Product AT USE DILUTION**

No specific data.

No specific data. No specific data. No specific data.

No known significant effects or critical

hazards.

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

d-glucopyranose, oligomeric, decyl octyl LD50 Dermal Rabbit >2000 mg/kg

glycosides

LD50 Oral Rat >5000 mg/kg

Chronic toxicity

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

Section 11. Toxicological information

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 : No known significant effects or critical hazards.

Aquatic and terrestrial toxicity

Product/ingredient nameResultSpeciesExposured-glucopyranose, oligomeric, decyl octylAcute EC50 18 mg/lAquatic plants72 hours

glycosides

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

Section 13. Disposal considerations

Product AS SOLD

Disposal methods: Diluted product can be flushed to sanitary sewer.

Discard empty container in trash.

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.

<u>DOT</u>

DOT Classification Not regulated.

IMO/IMDG

IMO/IMDG Classification Not regulated.

For transport in bulk, see shipping documents for specific transportation 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 : No listed substance

requirements

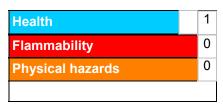
<u>California Prop. 65</u> : No listed substance

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Section 16. Other information

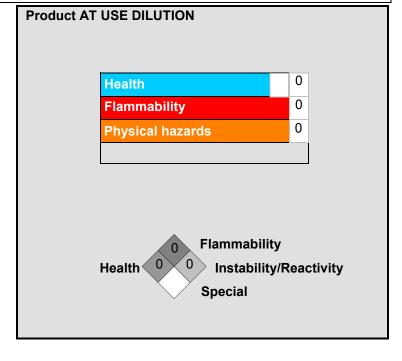
Product AS SOLD

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



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





Date of issue : 13 Feb 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.