SAFETY DATA SHEET



RETAIL MULTI SURFACE & GLASS CLEANER WITH PEROXIDE

Section 1. Chemical product and company identification

Product name : RETAIL MULTI SURFACE & GLASS CLEANER WITH PEROXIDE

Recommended use and

restrictions

: Glass Cleaner

Use only for the purpose on the product label.

Product dilution information : 4 oz/gal or 31 mL/L

Supplier's information: Kay Chemical Company

8300 Capital Drive Greensboro NC 27409

1-800-529-5458 (Customer Service)

Code : 915103 **Date of issue** : **24 Jul 2013**

> EMERGENCY HEALTH INFORMATION: 1-877-231-2615 Outside United States and Canada CALL 0-952-853-1713

Section 2. Hazards identification

Product AS SOLD

GHS Classification : SERIOUS EYE DAMAGE/ EYE IRRITATION -

Category 2A

SKIN SENSITIZATION - Category 1

GHS label elements

Signal word : Warning

Symbol :

Hazard statements: Causes serious eye irritation.

May cause an allergic skin reaction.

Precautionary statements

Prevention: Wear protective gloves. Wear eye or face

protection. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the

workplace.

Response: IF ON SKIN: Wash with plenty of soap and

water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. 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.

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.

No other specific measures identified.

See section 13 for waste disposal

information.

Section 2. Hazards identification

Other hazards : None known. None known.

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
HYDROGEN PEROXIDE	3	7722-84-1
d-glucopyranose, oligomeric, decyl octyl glycosides	1 - 5	68515-73-1
LAURYL POLYGLUCOSE	1 - 5	110615-47-9
Limonene	<1.0	5989-27-5

Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

Section 4. First aid measures

Product AS SOLD

Eye contact : Rinse cautiously with water for several minutes.

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

irritation persists.

: Wash with plenty of soap and water. If skin Skin contact irritation or rash occurs: Get medical attention.

Wash clothing before reuse. Clean shoes

thoroughly before reuse.

Inhalation : No special measures required. Treat

symptomatically.

: Get medical attention if symptoms occur. Ingestion

Get medical attention if symptoms occur.

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

No special measures required. Treat

Protection of first-: 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 aiders

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

: 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

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.

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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

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: 0 and

50°C

Product AT USE DILUTION

Wash thoroughly after handling.

Keep out of reach of children.

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
HYDROGEN PEROXIDE	ACGIH TLV (United States, 3/2012). TWA: 1.4 mg/m³ 8 hours. TWA: 1 ppm 8 hours. OSHA PEL (United States, 6/2010). TWA: 1.4 mg/m³ 8 hours. TWA: 1 ppm 8 hours. NIOSH REL (United States, 6/2009). TWA: 1 ppm 10 hours. TWA: 1.4 mg/m³ 10 hours.
Limonene	AIHA WEEL (United States, 5/2010). TWA: 30 ppm 8 hours.

Product AS SOLD

Appropriate engineering controls

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

contaminants.

Personal protection

Eye protection: Wear eye protection.

Hand protection: Use chemical-resistant, impervious gloves.

Skin protection: Use suitable protective equipment.

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 before reusing.

Section 9. Physical and chemical properties

Product AS SOLD

Physical state : Liquid.

Color : Blue [Dark]

Odor : citrus

pH : 4.2 to 5.1 (100%)

Flash point : > 100°C

Product does not support combustion.

Explosion limits: Not available. **Flammability (solid,**: 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 : 1.027 to 1.042 (Water = 1)

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

temperature

: Not available.

Odor threshold : Not available.

Viscosity : Not available.

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 : Slightly reactive or incompatible with the following materials: alkalis.

Hazardous decomposition

products

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

should not be produced.

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:

pain or irritation

watering redness

Skin contact: Adverse symptoms may include the following:

irritation redness

Product AT USE DILUTION

Product AT USE DILUTION

Liquid.

citrus

6.3 > 100°C

Blue [Light]

No specific data.

No specific data.

Section 11. Toxicological information

Inhalation : No specific data. Ingestion : No specific data.

Acute toxicity

Eye contact : Causes serious eye irritation.

No known significant effects or critical

hazards.

No specific data. No specific data.

Skin contact : May cause an allergic skin reaction. No known significant effects or critical

hazards.

Inhalation : No known significant effects or critical hazards. No known significant effects or critical

hazards.

Ingestion : 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 >5000 mg/kg Rat Hydrogen peroxide LD50 Dermal Rabbit >2000 mg/kg LD50 Oral Rat 486 mg/kg Rabbit >2000 mg/kg LD50 Dermal

d-glucopyranose, oligomeric, c10-16-alkyl

glycosides

LD50 Oral Rat >2000 mg/kg LD50 Dermal >5000 mg/kg (r)-p-mentha-1,8-diene Rabbit LD50 Oral 4400 mg/kg Rat

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** d-glucopyranose, oligomeric, decyl octyl Acute EC50 18 mg/l Aquatic plants 72 hours glycosides Hydrogen peroxide 72 hours Acute EC50 1.38 mg/l Aquatic plants d-glucopyranose, oligomeric, c10-16-alkyl Acute LC50 5 mg/l Fish 96 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.

DOT

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

requirements

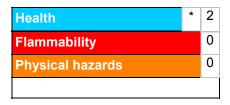
: No listed substance

California Prop. 65 : No listed substance

Section 16. Other information

Product AS SOLD

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

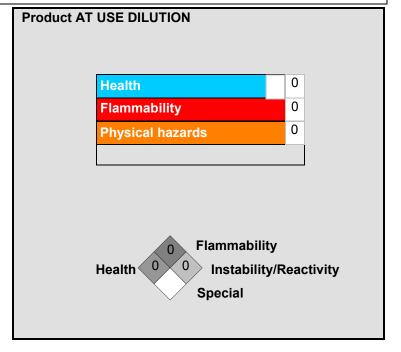


National Fire Protection Association (U.S.A.)



Date of issue : 24 Jul 2013
Prepared by : Regulatory Affairs
1-800-352-5326

Notice to reader



Section 16. Other information

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.

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