

KEYSTONE UNIT DOSE MULTI-PURPOSE CLEANER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : KEYSTONE UNIT DOSE MULTI-PURPOSE CLEANER

Other means of identification : Not applicable

Recommended use : All Purpose Cleaner

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : No dilution information provided.

Company : Ecolab Inc.

1 Ecolab Place

St. Paul, Minnesota USA 55102

1-800-352-5326

Emergency health

information

: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 04/24/2024

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Eye irritation : Category 2A

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Causes serious eye irritation.

Precautionary Statements : Prevention:

Wash skin 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 advice/ attention.

Other hazards : Do not mix with bleach or other chlorinated products – will cause

chlorine gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical name CAS-No. Concentration (%)

 Sodium Carbonate
 497-19-8
 30 - 60

 citric acid
 77-92-9
 30 - 60

 Poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl) 26403-74-7
 5 - 10

.omega.-hydroxy-

Sodium carbonate peroxide 15630-89-4 5 - 10

921570-04 1 / 8

KEYSTONE UNIT DOSE MULTI-PURPOSE CLEANER

Polyethylene Glycol 25322-68-3 1 - 5

SECTION 4. FIRST AID MEASURES

In case of 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.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal

protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and

delayed

: See Section 11 for more detailed information on health effects and

symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: None known.

Specific hazards during fire

fighting

: Not flammable or combustible.

Hazardous combustion

products

: Decomposition products may include the following materials:

Carbon oxides

Nitrogen oxides (NOx)

Special protective equipment

for fire-fighters

: Use personal protective equipment.

Specific extinguishing

methods

: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire

and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Ensure clean-up is conducted by trained personnel only. Refer to

protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

: Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

921570-04 2 / 8

KEYSTONE UNIT DOSE MULTI-PURPOSE CLEANER

Advice on safe handling : Avoid contact with skin and eyes. Wash hands thoroughly after

handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective

Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 40 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Components | CAS-No. | Form of exposure | Permissible concentration | Basis |
|---------------------|------------|-------------------|---------------------------|-----------|
| Polyethylene Glycol | 25322-68-3 | TWA (Aerosol.) | 10 mg/m3 | AIHA WEEL |

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

Personal protective equipment

Eye protection : Due to the form and packaging of the product, no protective

equipment is needed under normal use conditions.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Wash face, hands and any exposed skin thoroughly after

handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : solid

Color : opaque, White with colored particles

Odor : not significant

pH : 7.0 - 8.0

Flash point : Not applicable
Odor Threshold : No data available
Melting point/freezing point : No data available

Initial boiling point and

boiling range

: No data available

Evaporation rate : No data available Flammability (solid, gas) : No data available

921570-04 3 / 8

KEYSTONE UNIT DOSE MULTI-PURPOSE CLEANER

Upper explosion limit : No data available Lower explosion limit : No data available Vapor pressure : No data available : No data available Relative vapor density Relative density : No data available

: soluble Water solubility

Solubility in other solvents : No data available Partition coefficient: n-: No data available

octanol/water

Autoignition temperature : No data available Thermal decomposition : No data available Viscosity, kinematic : No data available Explosive properties : No data available

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Molecular weight : No data available VOC : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous

reactions

: Do not mix with bleach or other chlorinated products – will cause

chlorine gas.

Conditions to avoid : None known.

Incompatible materials Oxidizing agents

Strong acids

Chlorine-based bleaching agents

Strong bases

Hazardous decomposition

products

: In case of fire hazardous decomposition products may be produced

such as:

Carbon oxides

Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : Eye contact, Skin contact

exposure

Potential Health Effects

Eyes : Causes serious eye irritation.

Skin : Health injuries are not known or expected under normal use.

Ingestion Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

921570-04 4/8

KEYSTONE UNIT DOSE MULTI-PURPOSE CLEANER

Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact : Redness, Pain, Irritation

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

Toxicity

Product

Acute oral toxicity : No data available
Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye : No data available

irritation

Respiratory or skin

sensitization

: No data available

Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Components

Acute oral toxicity : Sodium Carbonate

LD50 Rat: 2,800 mg/kg

citric acid

LD50 Rat: 11,700 mg/kg

Poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl)-.omega.-hydroxy-

LD50 Rat: > 2,000 mg/kg

Sodium carbonate peroxide LD50 Rat: 1,034 mg/kg

Polyethylene Glycol LD50 Rat: 28,000 mg/kg

Components

Acute dermal toxicity : Polyethylene Glycol

LD50 Rabbit: 20,000 mg/kg

921570-04 5 / 8

KEYSTONE UNIT DOSE MULTI-PURPOSE CLEANER

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Harmful to aquatic life.

Product

Toxicity to fish : No data available Toxicity to daphnia and other : No data available

aquatic invertebrates

: No data available Toxicity to algae

Components

Toxicity to fish : Sodium Carbonate

96 h LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l

citric acid

96 h LC50 Fish: > 100 mg/l

Poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl)-.omega.-hydroxy-

96 h LC50: > 100 mg/l

Polyethylene Glycol

96 h LC50 Fish: > 1,000 mg/l

Components

Toxicity to daphnia and other : Sodium Carbonate

aquatic invertebrates

48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

Sodium carbonate peroxide 48 h EC50 Daphnia: 4.9 mg/l

Persistence and degradability

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or

> used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste

disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

> an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and

federal regulations.

921570-04 6/8

KEYSTONE UNIT DOSE MULTI-PURPOSE CLEANER

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302

EHS TPQ.

SARA 313 : This material does not contain any chemical components with known

CAS numbers that exceed the threshold (De Minimis) reporting levels

established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

| Hazardous ingredients | CAS-No. | Function | List(s) |
|----------------------------------|------------|----------------|----------------|
| Sodium Carbonate | 497-19-8 | Processing Aid | Not Applicable |
| citric acid | 77-92-9 | Processing Aid | Not Applicable |
| Poly(oxy-1,2-ethanediyl), .alpha | 26403-74-7 | Cleaning Agent | Not Applicable |
| (phenylmethyl)omegahydroxy- | | | |
| Sodium carbonate peroxide | 15630-89-4 | Cleaning Agent | Not Applicable |
| Polyethylene Glycol | 25322-68-3 | Cleaning Agent | Not Applicable |
| Pigment | Withheld | Dye | Not Applicable |

^{*}refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory:

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL):

921570-04 7 / 8

KEYSTONE UNIT DOSE MULTI-PURPOSE CLEANER

All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS):

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances:

On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory:

On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI):

On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC):

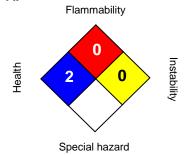
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI):

On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

| HEALTH | 2 |
|-----------------|---|
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, * = Chronic

Issuing date : 04/24/2024

Version : 1.2

Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

921570-04 8 / 8



KEYSTONE UNIT DOSE PRESOAK

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : KEYSTONE UNIT DOSE PRESOAK

Other means of identification : Not applicable

Recommended use : Presoak

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.

1 Ecolab Place

St. Paul, Minnesota USA 55102

1-800-352-5326

Emergency health

information

: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 02/26/2025

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Eye irritation : Category 2A

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Causes serious eye irritation.

Precautionary Statements : **Prevention:**

Wash skin 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 advice/ attention.

Other hazards : Do not mix with bleach or other chlorinated products – will cause

chlorine gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical name CAS-No. Concentration (%)

 Sodium Carbonate
 497-19-8
 45 - 70

 citric acid
 77-92-9
 10 - 30

 alcohols, c12-16, ethoxylated >5EO
 68551-12-2
 0.5 - 1.5

SECTION 4. FIRST AID MEASURES

903527-06 1 / 8

KEYSTONE UNIT DOSE PRESOAK

In case of 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.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal

protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and

delayed

: See Section 11 for more detailed information on health effects and

symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: None known.

Specific hazards during fire

fighting

: Not flammable or combustible.

Hazardous combustion

products

: Decomposition products may include the following materials:

Carbon oxides Sulfur oxides

Special protective equipment

for fire-fighters

: Use personal protective equipment.

Specific extinguishing

methods

: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire

and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Ensure clean-up is conducted by trained personnel only. Refer to

protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

: Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with skin and eyes. Wash hands thoroughly after

handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or if in contact

903527-06 2 / 8

KEYSTONE UNIT DOSE PRESOAK

with unknown dilution of product, wear full Personal Protective

Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 40 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

Personal protective equipment

Eye protection : Due to the form and packaging of the product, no protective

equipment is needed under normal use conditions.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Wash face, hands and any exposed skin thoroughly after

handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : tablet

Color : opaque, blue green

Odor : citrus

pH : 8.5 - 9.9, (1 %)
Flash point : Not applicable
Odor Threshold : No data available
Melting point/freezing point : No data available

boiling range

Relative density

Initial boiling point and

: No data available

: No data available

Evaporation rate : No data available
Flammability (solid, gas) : Not applicable
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapor pressure : No data available
Relative vapor density : No data available

903527-06 3 / 8

KEYSTONE UNIT DOSE PRESOAK

Water solubility : soluble

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

: No data available

: No data available Autoignition temperature Thermal decomposition : No data available Viscosity, kinematic : No data available Explosive properties : No data available

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Molecular weight : No data available VOC : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous

reactions

: Do not mix with bleach or other chlorinated products - will cause

chlorine gas.

Conditions to avoid : None known.

Incompatible materials : Strong bases

Strong oxidizing agents

Strong acids

Hazardous decomposition

products

: In the event of fire, see Section 5

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : Eye contact, Skin contact

exposure

Potential Health Effects

: Causes serious eye irritation. Eyes

Skin : Health injuries are not known or expected under normal use.

: Health injuries are not known or expected under normal use. Ingestion

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact : Redness, Pain, Irritation

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

903527-06 4/8

KEYSTONE UNIT DOSE PRESOAK

Inhalation : No symptoms known or expected.

Toxicity

Product

Acute oral toxicity : Acute toxicity estimate : 4,261 mg/kg
Acute inhalation toxicity : 4 h Acute toxicity estimate : 91.83 mg/l

Test atmosphere: dust/mist

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg

Skin corrosion/irritation : No data available

Serious eye damage/eye

irritation

: Eye irritation

Respiratory or skin

sensitization

: No data available

Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Harmful to aquatic life.

Product

Toxicity to fish

Toxicity to daphnia and other aquatic invertebrates

: No data available

: No data available

Toxicity to algae : No data available

Components

Toxicity to fish : Sodium Carbonate

96 h LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l

citric acid

96 h LC50 Fish: > 100 mg/l

alcohols, c12-16, ethoxylated >5EO

LC50: 1.5 mg/l

Components

Toxicity to daphnia and other

: Sodium Carbonate

aquatic invertebrates 48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

Persistence and degradability

Readily biodegradable.

903527-06 5 / 8

KEYSTONE UNIT DOSE PRESOAK

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or

used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste

disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and

federal regulations.

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302

EHS TPQ.

SARA 313 : This material does not contain any chemical components with known

CAS numbers that exceed the threshold (De Minimis) reporting levels

established by SARA Title III, Section 313.

903527-06 6 / 8

KEYSTONE UNIT DOSE PRESOAK

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

| Hazardous ingredients | CAS-No. | Function | List(s) |
|---|------------|----------------|----------------|
| Sodium Carbonate | 497-19-8 | Buffer | Not Applicable |
| citric acid | 77-92-9 | Buffer | Not Applicable |
| acetic acid, sodium salt | 127-09-3 | Processing Aid | Not Applicable |
| Organic acid salt | Withheld | Processing Aid | Not Applicable |
| alcohols, c12-16, ethoxylated | 68551-12-2 | Cleaning Agent | Not Applicable |
| >5EO | 100.54.4 | | |
| Benzyl benzoate | 120-51-4 | Fragrance | FRA |
| Pigment | Withheld | Dye | Not Applicable |
| subtilisin | 9014-01-1 | Cleaning Agent | 8 |
| amylase, α- | 9000-90-2 | Cleaning Agent | 8 |
| terpenes and terpenoids, sweet orange-oil | 68647-72-3 | Fragrance | Not Applicable |
| 4-tert-butylcyclohexyl acetate | 32210-23-4 | Fragrance | Not Applicable |
| 7-octen-2-ol, 2,6-dimethyl- | 18479-58-8 | Fragrance | Not Applicable |
| methyl 3-oxo-2- | 24851-98-7 | Fragrance | Not Applicable |
| pentylcyclopentaneacetate | | | |

^{*}refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory:

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL):

All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS):

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances:

On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

Korea. Korean Existing Chemicals Inventory (KECI):

not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC):

not determined

Taiwan Chemical Substance Inventory (TCSI):

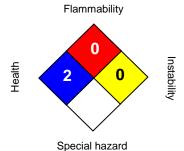
not determined

SECTION 16. OTHER INFORMATION

903527-06 7 / 8

KEYSTONE UNIT DOSE PRESOAK

NFPA:



HMIS III:

| HEALTH | 2 |
|-----------------|---|
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High

4 = Extreme, * = Chronic

Issuing date : 02/26/2025

Version : 1.1

Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

903527-06 8 / 8



KEYSTONE UNIT DOSE DELIMER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : KEYSTONE UNIT DOSE DELIMER

Other means of identification : Not applicable

Recommended use : Delimer

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 1.0 % - 6.7 %

Company : Ecolab Inc.

1 Ecolab Place

St. Paul, Minnesota USA 55102

1-800-352-5326

Emergency health

information

1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 09/30/2024

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Skin irritation : Category 2 Eye irritation : Category 2A

Product AT USE DILUTION

Eye irritation : Category 2A

GHS label elements

Product AS SOLD

Hazard pictograms



Signal Word : Warning

Hazard Statements : Causes skin irritation.

Causes serious eye irritation.

Precautionary Statements : Prevention:

Wash skin thoroughly after handling.

Response:

IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

Product AT USE DILUTION

917346-05 1 / 11

KEYSTONE UNIT DOSE DELIMER

Hazard pictograms

Signal Word : Warning

Hazard Statements : Causes serious eye irritation.

Precautionary Statements : **Prevention**:

Wash skin 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 advice/ attention.

Product AS SOLD

Other hazards : Do not mix with bleach or other chlorinated products – will cause

chlorine gas.

Product AT USE DILUTION

Other hazards : Do not mix with bleach or other chlorinated products – will cause

chlorine gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture : Mixture

 Chemical name
 CAS-No.
 Concentration (%)

 citric acid
 77-92-9
 30 - 60

 Sodium hydrogensulfate
 7681-38-1
 10 - 30

 Sodium Carbonate
 497-19-8
 5 - 10

 Polyethylene Glycol
 25322-68-3
 1 - 5

Product AT USE DILUTION

Chemical name CAS-No. Concentration (%)

 citric acid
 77-92-9
 1 - 5

 Sodium hydrogensulfate
 7681-38-1
 1 - 5

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of 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.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use

a mild soap if available. Get medical attention if irritation develops and

persists.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal

protective equipment.

917346-05 2 / 11

KEYSTONE UNIT DOSE DELIMER

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed

: See Section 11 for more detailed information on health effects and

symptoms.

Product AT USE DILUTION

In case of 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.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: None known.

Specific hazards during fire

fighting

: Not flammable or combustible.

Hazardous combustion

products

: Decomposition products may include the following materials:

Carbon oxides Sulfur oxides

for fire-fighters

Special protective equipment : Use personal protective equipment.

Specific extinguishing

methods

: Fire residues and contaminated fire extinguishing water must be

disposed of in accordance with local regulations. In the event of fire

and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures

: Ensure clean-up is conducted by trained personnel only. Refer to

protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures

: Ensure clean-up is conducted by trained personnel only. Refer to

protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

917346-05 3/11

KEYSTONE UNIT DOSE DELIMER

Methods and materials for containment and cleaning up

: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling : Avoid contact with skin and eyes. Wash hands thoroughly after

handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective

Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 40 °C

Product AT USE DILUTION

Advice on safe handling : Avoid contact with skin and eyes. Wash hands thoroughly after

handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective

Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD Ingredients with workplace control parameters

| Components | CAS-No. | Form of exposure | Permissible concentration | Basis |
|---------------------|------------|-------------------|---------------------------|-----------|
| Polyethylene Glycol | 25322-68-3 | TWA (Aerosol.) | 10 mg/m3 | AIHA WEEL |

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

Personal protective equipment

Eye protection : Due to the form and packaging of the product, no protective

equipment is needed under normal use conditions.

Hand protection : Due to the form and packaging of the product, no protective

equipment is needed under normal use conditions. For prolonged or repeated contact use protective gloves.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Wash face, hands and any exposed skin thoroughly after

917346-05 4 / 11

KEYSTONE UNIT DOSE DELIMER

handling.

Product AT USE DILUTION

: Good general ventilation should be sufficient to control worker Engineering measures

exposure to airborne contaminants.

Personal protective equipment

Eye protection : Due to the form and packaging of the product, no protective

equipment is needed under normal use conditions.

Hand protection : Due to the form and packaging of the product, no protective

> equipment is needed under normal use conditions. For prolonged or repeated contact use protective gloves.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Product AS SOLD

Appearance : tablet Color white

Odor vinegar-like

рΗ 1.7 - 2.7, (1 %)

Flash point : Not applicable Odor Threshold : No data available Melting point/freezing point : No data available

Initial boiling point and

boiling range

: No data available

: No data available Evaporation rate Flammability (solid, gas) : Not applicable

Upper explosion limit : No data available Lower explosion limit : No data available Vapor pressure : No data available : No data available

Relative vapor density

: 1.03 - 1.09 Relative density

Water solubility : soluble

Solubility in other solvents : No data available Partition coefficient: n-

octanol/water

: No data available

Autoignition temperature : No data available Thermal decomposition : No data available : No data available Viscosity, kinematic : No data available Explosive properties

: No data available Oxidizing properties

917346-05 5/11 **Product AT USE DILUTION**

liquid colorless vinegar-like

2.5

KEYSTONE UNIT DOSE DELIMER

Molecular weight : No data available VOC : No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

: No dangerous reaction known under conditions of normal use. Reactivity

Chemical stability : Stable under normal conditions.

Possibility of hazardous

reactions

: Do not mix with bleach or other chlorinated products – will cause

chlorine gas.

Conditions to avoid : None known.

Incompatible materials : Acids and bases

Hazardous decomposition

products

: In case of fire hazardous decomposition products may be produced

such as:

Carbon oxides Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : Eye contact, Skin contact

exposure

Potential Health Effects

Product AS SOLD

Eyes : Causes serious eye irritation.

Skin : Causes skin irritation.

: Health injuries are not known or expected under normal use. Ingestion

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

Product AT USE DILUTION

: Causes serious eye irritation. Eyes

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

: Redness, Pain, Irritation Eye contact

Skin contact : Redness, Irritation

917346-05 6/11

KEYSTONE UNIT DOSE DELIMER

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

Product AT USE DILUTION

Eye contact : Redness, Pain, Irritation

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg

Acute inhalation toxicity : 4 h Acute toxicity estimate : 139.33 mg/l

Test atmosphere: dust/mist

Acute dermal toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye : No data available

irritation

Respiratory or skin

sensitization

: No data available

Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Components

Acute dermal toxicity : Polyethylene Glycol

LD50 Rabbit: 20,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects : This product has no known ecotoxicological effects.

Product AT USE DILUTION

Environmental Effects : This product has no known ecotoxicological effects.

Product AS SOLD

Product

Toxicity to fish : No data available

917346-05 7 / 11

KEYSTONE UNIT DOSE DELIMER

Toxicity to daphnia and other

aquatic invertebrates

: No data available

Toxicity to algae :

: No data available

Components

Toxicity to fish

: citric acid

96 h LC50 Fish: > 100 mg/l

Sodium hydrogensulfate 96 h LC50 Fish: 7,960 mg/l

Sodium Carbonate

96 h LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l

Polyethylene Glycol

96 h LC50 Fish: > 1,000 mg/l

Components

Toxicity to daphnia and other

aquatic invertebrates

: Sodium Carbonate

48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

Persistence and degradability

Product AT USE DILUTION

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods : Where possible recycling is preferred to disposal or incineration. If

recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and

federal regulations.

Product AT USE DILUTION

Disposal methods : Where possible recycling is preferred to disposal or incineration. If

recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and

federal regulations.

SECTION 14. TRANSPORT INFORMATION

917346-05 8 / 11

KEYSTONE UNIT DOSE DELIMER

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Skin corrosion or irritation

Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302

EHS TPQ.

SARA 313 : This material does not contain any chemical components with known

CAS numbers that exceed the threshold (De Minimis) reporting levels

established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

| Hazardous ingredients | CAS-No. | Function | List(s) |
|--------------------------------|------------|----------------|----------------|
| citric acid | 77-92-9 | Cleaning Agent | Not Applicable |
| Sodium hydrogensulfate | 7681-38-1 | Cleaning Agent | Not Applicable |
| d-gluconic acid, .deltalactone | 90-80-2 | Cleaning Agent | Not Applicable |
| Sodium Carbonate | 497-19-8 | Cleaning Agent | Not Applicable |
| acetic acid, sodium salt | 127-09-3 | Processing Aid | Not Applicable |
| Polyethylene Glycol | 25322-68-3 | Processing Aid | Not Applicable |
| sodium sulfate | 7757-82-6 | Processing Aid | 20 |
| water | 7732-18-5 | Processing Aid | Not Applicable |

^{*}refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory:

917346-05 9 / 11

KEYSTONE UNIT DOSE DELIMER

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS):

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances:

On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory :

On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI):

On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC):

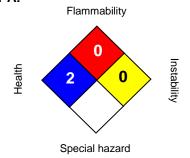
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI):

On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Product AS SOLD NFPA:



HMIS III:

| HEALTH | 2 |
|-----------------|---|
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

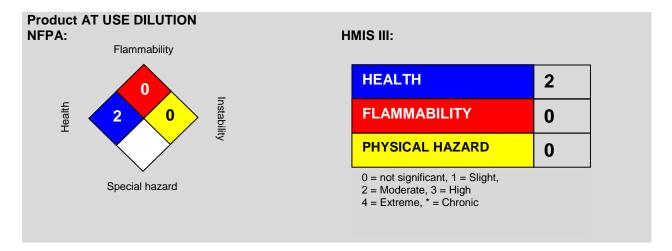
0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, * = Chronic

917346-05 10 / 11

KEYSTONE UNIT DOSE DELIMER



Issuing date : 09/30/2024

Version : 1.1

Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

917346-05 11 / 11



KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

Other means of identification : Not applicable

Recommended use : Detergent

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.08 % - 0.16 %

Company : Ecolab Inc.

1 Ecolab Place

St. Paul, Minnesota USA 55102

1-800-352-5326

Emergency health

information

: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 05/16/2024

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

Eye irritation : Category 2A

Product AT USE DILUTION

Not a hazardous substance or mixture.

GHS label elements

Product AS SOLD

Hazard pictograms



Signal Word : Warning

Hazard Statements : Causes serious eye irritation.

Precautionary Statements : **Prevention:**

Wash skin 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 advice/ attention.

Product AT USE DILUTION

Precautionary Statements : **Prevention:**

Wash hands thoroughly after handling.

Response:

Get medical advice/ attention if you feel unwell.

Storage:

Store in accordance with local regulations.

930357-01 1 / 10

KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

Product AS SOLD

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture : Mixture

Concentration (%) Chemical name CAS-No. citric acid 77-92-9 30 - 60 Sodium Carbonate 497-19-8 10 - 30 Polyethylene Glycol 25322-68-3 1 - 5 1 - 5 glycerin 56-81-5 sodium dodecylbenzene sulfonate 1 - 5 25155-30-0

Product AT USE DILUTION

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of 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.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal

protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and

delayed

: See Section 11 for more detailed information on health effects and

symptoms.

Product AT USE DILUTION

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

930357-01 2 / 10

KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

Unsuitable extinguishing

media

: None known.

Specific hazards during fire

fighting

: Not flammable or combustible.

Hazardous combustion

products

: Decomposition products may include the following materials:

Carbon oxides Sulfur oxides

Special protective equipment

for fire-fighters

: Use personal protective equipment.

Specific extinguishing

methods

: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire

and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to

protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

: Sweep up and shovel into suitable containers for disposal.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up

: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling : Avoid contact with skin and eyes. Wash hands thoroughly after

handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment

(PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling : Wash hands after handling. In case of mechanical malfunction, or if in

contact with unknown dilution of product, wear full Personal Protective

Equipment (PPE). For personal protection see section 8.

930357-01 3 / 10

KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

| Components | CAS-No. | Form of exposure | Permissible concentration | Basis |
|---------------------|------------|---------------------------------|---------------------------|-----------|
| Polyethylene Glycol | 25322-68-3 | TWA (Aerosol.) | 10 mg/m3 | AIHA WEEL |
| glycerin | 56-81-5 | TWA | 10 mg/m3 | ACGIH |
| | | TWA (respirable fraction) | 5 mg/m3 | OSHA Z1 |

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

Personal protective equipment

Eye protection : Due to the form and packaging of the product, no protective

equipment is needed under normal use conditions.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Wash face, hands and any exposed skin thoroughly after

handling.

Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Product AS SOLD Product AT USE DILUTION

Appearance : tablet liquid

Color : violet violet

Odor : odorless

pH : 5.0 - 6.0, (1 %) 5.0 - 8.0

930357-01 4 / 10

KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

Flash point : Not applicable, Does not sustain combustion.

: No data available

: No data available

Odor Threshold : No data available Melting point/freezing point : No data available Initial boiling point and : No data available

boiling range : No data available Evaporation rate Flammability (solid, gas) : Not applicable Upper explosion limit : No data available Lower explosion limit : No data available Vapor pressure : No data available Relative vapor density : No data available

Water solubility : soluble

Solubility in other solvents : No data available Partition coefficient: n-: No data available

octanol/water Autoignition temperature : No data available Thermal decomposition : No data available Viscosity, kinematic : No data available : No data available Explosive properties Oxidizing properties : No data available Molecular weight : No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD

VOC

Relative density

: No dangerous reaction known under conditions of normal use. Reactivity

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions

: No dangerous reaction known under conditions of normal use.

Conditions to avoid : None known. Incompatible materials : None known.

Hazardous decomposition

products

: In case of fire hazardous decomposition products may be produced

such as: Carbon oxides

Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : Eye contact, Skin contact

exposure

Potential Health Effects

930357-01 5/10

KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

Product AS SOLD

Eyes : Causes serious eye irritation.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes : Health injuries are not known or expected under normal use.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact : Redness, Pain, Irritation

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

Product AT USE DILUTION

Eye contact : No symptoms known or expected.

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg Acute inhalation toxicity : 4 h Acute toxicity estimate : 49.06 mg/l

Test atmosphere: dust/mist

Acute dermal toxicity : No data available Skin corrosion/irritation : No data available

930357-01 6 / 10

KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

Serious eye damage/eye

irritation

: No data available

Respiratory or skin

sensitization

: No data available

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : No data available

Aspiration toxicity : No data available

Components

Acute dermal toxicity : Polyethylene Glycol

LD50 Rabbit: 20,000 mg/kg

glycerin

LD50 Rabbit: 23,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product AS SOLD

Environmental Effects : This product has no known ecotoxicological effects.

Product AT USE DILUTION

Environmental Effects : This product has no known ecotoxicological effects.

Product AS SOLD

Product

Toxicity to fish : No data available

Toxicity to daphnia and other

aquatic invertebrates

: No data available

Toxicity to algae : No data available

Components

Toxicity to fish : citric acid

96 h LC50 Fish: > 100 mg/l

Sodium Carbonate

96 h LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l

Polyethylene Glycol

96 h LC50 Fish: > 1,000 mg/l

glycerin

96 h LC50 Fish: 855 mg/l

sodium dodecylbenzene sulfonate

96 h LC50 Fish: 3.2 mg/l

Components

930357-01 7 / 10

KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

Toxicity to daphnia and other

aquatic invertebrates

Sodium Carbonate

48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

Persistence and degradability

Product AT USE DILUTION

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD

Disposal methods : Where possible recycling is preferred to disposal or incineration. If

recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and

federal regulations.

Product AT USE DILUTION

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

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

| Components CAS-No. Component RQ (lbs) Calculated product RQ |
|---|
|---|

930357-01 8 / 10

KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

| | | | (lbs) |
|---------------------------------|------------|------|-------|
| sodium dodecylbenzene sulfonate | 25155-30-0 | 1000 | 40924 |
| | | | |

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302

EHS TPQ.

SARA 313 : This material does not contain any chemical components with known

CAS numbers that exceed the threshold (De Minimis) reporting levels

established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

| Hazardous ingredients | CAS-No. | Function | List(s) |
|---------------------------------|------------|----------------|----------------|
| citric acid | 77-92-9 | Processing Aid | Not Applicable |
| Sodium Carbonate | 497-19-8 | Processing Aid | Not Applicable |
| acetic acid, sodium salt | 127-09-3 | Processing Aid | Not Applicable |
| d-gluconic acid, .deltalactone | 90-80-2 | Cleaning Agent | Not Applicable |
| Polyethylene Glycol | 25322-68-3 | Processing Aid | Not Applicable |
| sodium dodecylbenzene sulfonate | 25155-30-0 | Cleaning Agent | Not Applicable |
| Amphoteric surfactant | Withheld | Cleaning Agent | Not Applicable |
| Inorganic salt | Withheld | Cleaning Agent | Not Applicable |
| Colorant | Withheld | Dye | Not Applicable |

^{*}refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory:

On the inventory, or in compliance with the inventory

Canadian Domestic Substances List (DSL):

This product contains one or several components that are not on the Canadian DSL nor NDSL.

Australia. Australian Industrial Chemicals Introduction Scheme (AICIS):

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances:

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

Korea. Korean Existing Chemicals Inventory (KECI):

not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

On the inventory, or in compliance with the inventory

930357-01 9 / 10

KEYSTONE UNIT DOSE POT & PAN SINK DETERGENT TABLET

China. Inventory of Existing Chemical Substances in China (IECSC):

On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI):

On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Product AS SOLD NFPA:

Flammability

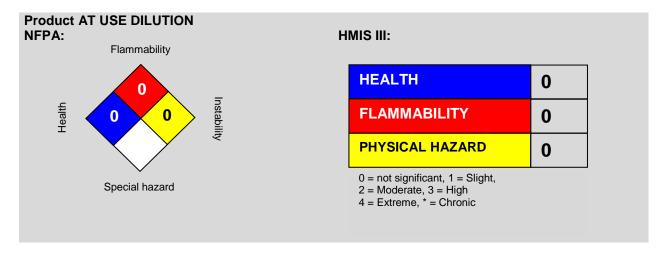
Instability

Special hazard

HMIS III:

| HEALTH | 2 |
|-----------------|---|
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

- 0 = not significant, 1 = Slight,
- 2 = Moderate, 3 = High
- 4 = Extreme, * = Chronic



Issuing date : 05/16/2024

Version : 1.0

Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

930357-01 10 / 10



KEYSTONE UNIT DOSE NEUTRAL FLOOR CLEANER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : KEYSTONE UNIT DOSE NEUTRAL FLOOR CLEANER

Other means of identification : Not applicable

Recommended use : Floor Cleaner

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.

1 Ecolab Place

St. Paul, Minnesota USA 55102

1-800-352-5326

Emergency health

information

: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 03/21/2024

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Eye irritation : Category 2A

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Causes serious eye irritation.

Precautionary Statements : Prevention:

Wash skin 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

5 - 10

irritation persists: Get medical advice/ attention.

26403-74-7

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical nameCAS-No.Concentration (%)Sodium Carbonate497-19-830 - 60citric acid77-92-930 - 60

Poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl)-

.omega.-hydroxy-

 Sodium carbonate peroxide
 15630-89-4
 5 - 10

 Polyethylene Glycol
 25322-68-3
 1 - 5

929598-02 1 / 8

KEYSTONE UNIT DOSE NEUTRAL FLOOR CLEANER

SECTION 4. FIRST AID MEASURES

In case of 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.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal

protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and

delayed

: See Section 11 for more detailed information on health effects and

symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: None known.

Specific hazards during fire

fighting

: Not flammable or combustible.

Hazardous combustion

products

: Decomposition products may include the following materials:

Carbon oxides

for fire-fighters

Special protective equipment : Use personal protective equipment.

Specific extinguishing

methods

: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire

and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with skin and eyes. Wash hands thoroughly after

929598-02 2/8

KEYSTONE UNIT DOSE NEUTRAL FLOOR CLEANER

handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment

(PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : -30 °C to 50 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Components | CAS-No. | Form of exposure | Permissible concentration | Basis |
|---------------------|------------|-------------------|---------------------------|-----------|
| Polyethylene Glycol | 25322-68-3 | TWA (Aerosol.) | 10 mg/m3 | AIHA WEEL |

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

Personal protective equipment

Eye protection : Due to the form and packaging of the product, no protective

equipment is needed under normal use conditions.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Wash face, hands and any exposed skin thoroughly after

handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : tablet

Color : opaque, orange

Odor : odorless

pH : 5.0 - 8.0, (1 %)

Flash point : Not applicable, Does not sustain combustion.

Odor Threshold : No data available

Melting point/freezing point : No data available

Initial boiling point and

boiling range

: > 100 °C

Evaporation rate : No data available
Flammability (solid, gas) : Not applicable
Upper explosion limit : No data available
Lower explosion limit : No data available

929598-02 3 / 8

KEYSTONE UNIT DOSE NEUTRAL FLOOR CLEANER

Vapor pressure : No data available Relative vapor density : No data available Relative density : No data available

: soluble Water solubility

: No data available Solubility in other solvents Partition coefficient: n-: No data available

octanol/water

Autoignition temperature : No data available Thermal decomposition : No data available Viscosity, kinematic : No data available Explosive properties : No data available

: The substance or mixture is not classified as oxidizing. Oxidizing properties

Molecular weight : No data available VOC : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous

reactions

: No dangerous reaction known under conditions of normal use.

Conditions to avoid : None known.

Incompatible materials : Acids and bases

Hazardous decomposition

products

: In case of fire hazardous decomposition products may be produced

such as:

Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : Eye contact, Skin contact

exposure

Potential Health Effects

Eyes : Causes serious eye irritation.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact : Redness, Pain, Irritation

929598-02 4/8

KEYSTONE UNIT DOSE NEUTRAL FLOOR CLEANER

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

Toxicity

Product

Acute oral toxicity : Acute toxicity estimate : 4,777 mg/kg

Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye : No data available

irritation

Respiratory or skin

sensitization

: No data available

Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Components

Acute dermal toxicity : Polyethylene Glycol

LD50 Rabbit: 20,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Harmful to aquatic life.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other : No data available

aquatic invertebrates

Toxicity to algae : No data available

Components

Toxicity to fish : Sodium Carbonate

96 h LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l

citric acid

96 h LC50 Fish: > 100 mg/l

Poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl)-.omega.-hydroxy-

96 h LC50: > 100 mg/l

929598-02 5 / 8

KEYSTONE UNIT DOSE NEUTRAL FLOOR CLEANER

Polyethylene Glycol

96 h LC50 Fish: > 1,000 mg/l

Components

Toxicity to daphnia and other : Sodium Carbonate

aquatic invertebrates

48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

Sodium carbonate peroxide 48 h EC50 Daphnia: 4.9 mg/l

Persistence and degradability

Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or

> used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste

disposal facility.

: Dispose of as unused product. Empty containers should be taken to Disposal considerations

> an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and

federal regulations.

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

929598-02 6/8

KEYSTONE UNIT DOSE NEUTRAL FLOOR CLEANER

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302

EHS TPQ.

SARA 313 : This material does not contain any chemical components with known

CAS numbers that exceed the threshold (De Minimis) reporting levels

established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

| Hazardous ingredients | CAS-No. | Function | List(s) |
|----------------------------------|------------|----------------|----------------|
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| citric acid | 77-92-9 | Cleaning Agent | Not Applicable |
| Poly(oxy-1,2-ethanediyl), .alpha | 26403-74-7 | Cleaning Agent | Not Applicable |
| (phenylmethyl)omegahydroxy- | | | |
| Sodium carbonate peroxide | 15630-89-4 | Cleaning Agent | Not Applicable |
| Polyethylene Glycol | 25322-68-3 | Cleaning Agent | Not Applicable |
| Colorant | Withheld | Dye | Not Applicable |
| Colorant | Withheld | Dye | Not Applicable |

^{*}refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

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All substances listed as active on the TSCA inventory

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All components of this product are on the Canadian DSL

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On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances :

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not determined

Korea. Korean Existing Chemicals Inventory (KECI):

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On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI):

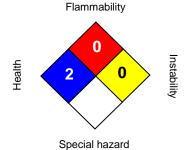
On the inventory, or in compliance with the inventory

929598-02 7 / 8

KEYSTONE UNIT DOSE NEUTRAL FLOOR CLEANER

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

| HEALTH | 2 |
|-----------------|---|
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic

Issuing date : 03/21/2024

Version : 1.0

Prepared by : Regulatory Affairs

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929598-02 8 / 8