# SAFETY DATA SHEET



### **GUARDIAN POT & PAN DETERGENT**

### Section 1. Chemical product and company identification

**Product name** : GUARDIAN POT & PAN DETERGENT

Recommended use and

restrictions

: Manual Warewashing Detergent

Use only for the purpose on the product label.

**Product dilution information**: 0.08%

Supplier's information : SSDC Division

> Kay Chemical Company 4050 Corporate Dr., #100 Grapevine, TX 76051

1-800-532-7732 (Customer Service)

Code : 915407-02 Date of issue : 13 May 2013

EMERGENCY HEALTH INFORMATION: 1-800-391-1504

### 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.

: IF IN EYES: Rinse cautiously with water for Response

several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

: No other specific measures identified.

Storage

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.

No other specific measures identified.

See section 13 for waste disposal

information.

None known.

### Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

**Product AS SOLD** 

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

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### Section 3. Composition/information on ingredients

SODIUM C14-16 OLEFIN SULFONATE	5 - 20	68439-57-6
poly(oxy-1,2-ethanediyl), .alphasulfoomegahydroxy-,	5 - 20	68585-34-2
c10-16-alkyl ethers, sodium salts		
COCAMINE OXIDE	5 - 20	61788-90-7
SODIUM XYLENE SULFONATE	1 - 5	1300-72-7
ALCOHOL	1 - 5	64-17-5

#### **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** 

: 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.

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

water for a few minutes.

Inhalation : No special measures required. Treat

symptomatically.

Ingestion : Get medical attention if symptoms occur.

: No action shall be taken involving any personal risk or without suitable training. It may be

**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

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

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide sulfur oxides

metal oxide/oxides

Specific fire-fighting methods

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without

suitable training.

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

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure

mode.

### Section 6. Accidental release measures

#### **Product AS SOLD**

Personal precautions : Use personal protective equipment as required.

**Environmental** precautions

: Avoid contact of large amounts of spilled material

and runoff with soil and surface waterways.

**Methods for** cleaning up

: 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: 5 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
ALCOHOL	ACGIH TLV (United States, 3/2012).  STEL: 1000 ppm 15 minutes.  OSHA PEL (United States, 6/2010).  TWA: 1900 mg/m³ 8 hours.  TWA: 1000 ppm 8 hours.
	NIOSH REL (United States, 6/2009). TWA: 1000 ppm 10 hours. TWA: 1900 mg/m³ 10 hours.

#### **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.

: No protective equipment is needed under normal Hand protection

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.

**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
Odor : citrus

pH : 6 to 9 (100%)
Flash point : > 100°C

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** : 1.025 to 1.045 (Water = 1)

**Solubility** : Easily soluble in the following materials: cold

water and hot water.

Partition coefficient: : Not available.

n-octanol/water

. Not available.

: Not available.

Auto-ignition temperature

Decomposition

: Not available.

temperature

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 : Not available.

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:

irritation watering redness

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

Acute toxicity

**Product AT USE DILUTION** 

**Product AT USE DILUTION** 

Liquid.

Clear

citrus

6 to 8 > 100°C

No specific data.

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

## Section 11. Toxicological information

**Eye contact** : Causes eye irritation.

Skin contact

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

hazards.

hazards.

No known significant effects or critical

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

sulfonic acids, c14-16-alkane hydroxy and LD50 Dermal Rabbit 6300 mg/kg

c14-16-alkene, sodium salts

LD50 Oral Rat 3983 mg/kg poly(oxy-1,2-ethanediyl), .alpha.-sulfo-. LD50 Dermal Rat >2000 mg/kg

omega.-hydroxy-, c10-16-alkyl ethers,

sodium salts

LD50 Oral Rat >2500 mg/kg amines, coco alkyldimethyl, n-oxides LD50 Dermal Rat >2174 mg/kg LD50 Oral Rat 846 mg/kg Benzenesulfonic acid, dimethyl-, sodium salt LC50 Inhalation Rat >6.2 mg/l

(1:1)

Dusts and mists LD50 Dermal Rabbit >2000 mg/kg

LD50 Oral Rat >7000 mg/kg LC50 Inhalation 117 mg/l ethanol Rat

Vapor

LD50 Dermal Rabbit 15800 mg/kg LD50 Oral Rat 10470 mg/kg

**Chronic toxicity** 

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

# Section 12. Ecological information

### **Product AS SOLD**

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

### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
sulfonic acids, c14-16-alkane hydroxy and c14-16-alkene, sodium salts	Acute LC50 4.2 mg/l	Fish	96 hours
poly(oxy-1,2-ethanediyl), .alphasulfoomega hydroxy-, c10-16-alkyl ethers, sodium salts	Acute LC50 28 mg/l	Fish	96 hours
amines, coco alkyldimethyl, n-oxides	Acute LC50 <1 mg/l	Fish	96 hours
Benzenesulfonic acid, dimethyl-, sodium salt (1: 1)	Acute EC50 230 mg/l	Aquatic plants	96 hours
ethanol	Acute LC50 11000 mg/l	Fish	96 hours

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

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## 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

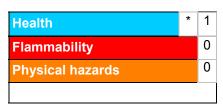
: No listed substance

California Prop. 65 : No listed substance

# Section 16. Other information

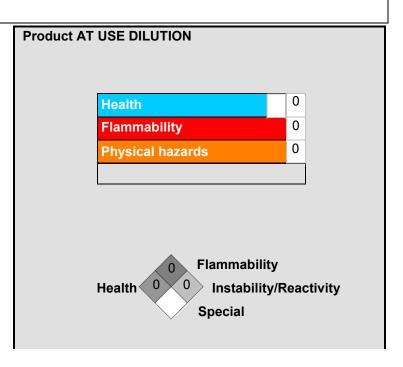
**Product AS SOLD** 

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



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





### **Section 16. Other information**

Date of issue : 13 May 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.

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