



# Safety Data Sheet Kitchen Mate Dishwashing Detergent

SDS Revision  
Date: 05/18/2018

## 1. Identification

### 1.1. Product identifier

**Product Identity** Kitchen Mate Dishwashing Detergent  
**Alternate Names** Specification: P-D-410C Type II  
LHB Part Number: 1064011, 1064012  
National Stock Number: 7930-00-880-4454, 7930-00-899-9534  
CAGE Code: 1A864  
Contract Number: GS-07F-R0002

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use** See Product Label  
**Application Method** See Product Label

### 1.3. Details of the supplier of the safety data sheet

**Company Name** LHB Industries  
8833 Fleischer Place  
Berkeley, MO 63134

**Emergency**  
**24 hour Emergency Telephone No.** (800) 633-8253 (PERS)  
**Customer Service: LHB Industries** (314) 423-4333

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Acute Tox. 5;H303 May be harmful if swallowed. (Not adopted by US OSHA)

### 2.2. Label elements



**Warning**

H303 May be harmful if swallowed.

**[Prevention]:**

No GHS prevention statements

**[Response]:**

P312 Call a POISON CENTER or doctor / physician if you feel unwell.



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**[Storage]:**

No GHS storage statements

**[Disposal]:**

No GHS disposal statements

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Nonylphenol polyethylene glycol ether CAS Number: 0127087-87-0	10 - 25	Eye Dam. 1;H318 Acute Tox. 4;H302 Skin Irrit. 2;H315	[1]
Benzenesulfonic acid, C10-16-alkyl derivatives CAS Number: 0068584-22-5	5 - 10	Acute Tox. 4;H302 Acute Tox. 4;H312 Skin Corr. 1C;H314 Eye Dam. 1;H318	[1]
Coconut oil diethanolamine condensate CAS Number: 0068603-42-9	1 - 5	Skin Irrit. 2;H315 Eye Irrit. 2;H319 Aquatic Acute 2;H401	[1]
Sodium xylene sulfonate CAS Number: 0001300-72-7	1 - 5	Eye Irrit. 2;H319	[1]
Sodium hydroxide CAS Number: 0001310-73-2	1 - 5	Skin Corr. 1A;H314	[1][2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### Section 4. First aid measures

#### 4.1. Description of first aid measures

**General**

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

**Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion**

Drink 1 or 2 glasses of water.



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### 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	No specific symptom data available. Treat symptomatically. See section 2 for further details.
<b>Ingestion</b>	May be harmful if swallowed.

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Do not use: water jet.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

### 5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

**ERG Guide No.** ---

## Section 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Remove sources of ignition; do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapor levels are below the Lower Explosive Limit before re-entering.

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Avoid inhalation. Use good ventilation. Read entire label before using and follow all label directions.

Wipe, scrape or soak up contents in an inert material. Pick up spill for recovery or disposal and place in a closed container. Dispose of in accordance with applicable Federal, State and Local regulations.

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Keep out of reach of children. Do not take internally. Do not consume food, drink or smoke while handling this product.



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See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Keep from freezing.

Incompatible materials: Strong Oxidizing Agents, Strong Acids and Alkalis.

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## Section 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0001300-72-7	Sodium xylene sulfonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0001310-73-2	Sodium hydroxide	OSHA	TWA 2 mg/m3
		ACGIH	Ceiling: 2 mg/m3
		NIOSH	C 2 mg/m3
0007732-18-5	Water	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0068584-22-5	Benzenesulfonic acid, C10-16-alkyl derivatives	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0068603-42-9	Coconut oil diethanolamine condensate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0127087-87-0	Nonylphenol polyethylene glycol ether	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

### 8.2. Exposure controls

#### Respiratory

None required for normal use.

#### Eyes

None required for normal use.

#### Skin

None required for normal use. Protective gloves recommended.

#### Engineering Controls

Provide adequate ventilation.

#### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.



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See section 2 for further details.

### Section 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance	Light amber Liquid
Odor	Slight
Odor threshold	Not determined
pH	~8
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	None
Evaporation rate (Ether = 1)	Slower than ether
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	<b>Lower Explosive Limit:</b> N/A <b>Upper Explosive Limit:</b> N/A
Vapor pressure (Pa)	< 1 mmHg @20C
Vapor Density	Not Measured
Specific Gravity	1.03
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
VOC Content	Not Measured
Density	8.55 lb/gal
HAPS (lbs/gal)	0.0
HAPS (lbs/gal of Solids)	0.0
HAPS (lbs/lb of Solids)	0.0
% Volatile (by volume)	Not Measured

#### 9.2. Other information

No other relevant information.

### Section 10. Stability and reactivity

#### 10.1. Reactivity

Hazardous Polymerization will not occur.



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### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Freezing and extreme heat.

### 10.5. Incompatible materials

Strong Oxidizing Agents, Strong Acids and Alkalis.

### 10.6. Hazardous decomposition products

No hazardous decomposition data available.

## Section 11. Toxicological information

### Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Nonylphenol polyethylene glycol ether - (127087-87-0)	---	---	---	---	---
Benzenesulfonic acid, C10-16-alkyl derivatives - (68584-22-5)	> 5,000.00, Rat - Category: NA	>2,000.00, Rabbit - Category: 5	---	---	---
Coconut oil diethanolamine condensate - (68603-42-9)	10,000.00, Rat - Category: NA	---	---	---	---
Sodium xylene sulfonate - (1300-72-7)	> 3,000, Rat - Category: 5	>2,000.00, Rabbit - Category: 5	---	---	---
Sodium hydroxide - (1310-73-2)	325.00, Rabbit - Category: 4	---	---	---	---

### Carcinogen Data

CAS No.	Ingredient	Source	Value
0001300-72-7	Sodium xylene sulfonate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001310-73-2	Sodium hydroxide	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0068584-22-5	Benzenesulfonic acid, C10-16-alkyl derivatives	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;



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0068603-42-9	Coconut oil diethanolamine condensate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0127087-87-0	Nonylphenol polyethylene glycol ether	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Classification	Category	Hazard Description
Acute toxicity (oral)	5	May be harmful if swallowed. (Not adopted by US OSHA)
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## Section 12. Ecological information

### 12.1. Toxicity

Toxic to aquatic life

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Water - (7732-18-5)	Not Available	Not Available	Not Available
Nonylphenol polyethylene glycol ether - (127087-87-0)	Not Available	Not Available	Not Available
Benzenesulfonic acid, C10-16-alkyl derivatives - (68584-22-5)	> 10,000, Cyprinodon variegatus	> 1,000, Daphnia magna	1,001.00 (72 hr), Pseudokirchneriella subcapitata
Coconut oil diethanolamine condensate - (68603-42-9)	3.60, Fish	4.20, Daphnia magna	Not Available



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Sodium xylene sulfonate - (1300-72-7)	1,581.00, Oncorhynchus mykiss	40.31, Daphnia magna	310.00 (72 hr), Desmodesmus subspicatus
Sodium hydroxide - (1310-73-2)	125.00, Gambusia affinis	40.40, Ceriodaphnia dubia	190.00 (72 hr), Algae

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## Section 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No;		
<b>14.6. Special precautions for user</b>	No further information		





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### Section 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act ( TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS 1988 Classification** Not Regulated

**US EPA Tier II Hazards**

**Fire:** No  
**Sudden Release of Pressure:** No  
**Reactive:** No  
**Immediate (Acute):** Yes  
**Delayed (Chronic):** No

**Note:** Strong inorganic acid mists containing sulfuric acid are listed on the California Proposition 65 Carcinogen List. [Sulfuric acid, in and of itself, is not listed under Proposition 65. However, if one has sulfuric acid, which through its intended use generates an acid mist that in turn contains sulfuric acid that would meet the listing. The term "strong" does not refer to the concentration of the acid, but rather the strength of the acid. The basis for the listing of strong inorganic acid mists containing sulfuric acid was the formal identification by the National Toxicology Program (NTP), in its Ninth Report on Carcinogens, that this chemical mixture is "known to be a human carcinogen." (Public notice available at [http://www.oehha.ca.gov/prop65/CRNR\\_notices/admin\\_listing/intent\\_to\\_list/noil19b4.html](http://www.oehha.ca.gov/prop65/CRNR_notices/admin_listing/intent_to_list/noil19b4.html).) ]

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

Coconut oil diethanolamine condensate  
Diethanolamine

**Proposition 65 - Developmental Toxins (>0.0%):**

Methanol  
Sulfur dioxide

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



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## Section 16. Other information

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H401 Toxic to aquatic life.

**IMPORTANT NOTE:** This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

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