

Safety Data Sheet

Kitchen Mate Dishwashing Detergent

SDS Revision Date:

01/12/2015



1. Identification of the substance/mixture and of the company/undertaking

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
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Emergency

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

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Acute Tox. 5;H303	May be harmful if swallowed. (Not adopted by US OSHA)
Acute Tox. 5;H313	May be harmful in contact with skin. (Not adopted by US OSHA)

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Warning

H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.

[Prevention]:

No GHS prevention statements

[Response]:

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

Safety Data Sheet

Kitchen Mate Dishwashing Detergent

SDS Revision Date:

01/12/2015



[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 polyethoxylate CAS Number: 0009016-45-9	10 - 25	Eye Dam. 2A;H319 Skin Irrit. 2;H315 Aquatic Chronic 2;H411 Acute Tox. 4;H302	[1][3]
Dodecylbenzenesulfonic acid. CAS Number: 0027176-87-0	10 - 25	Acute Tox. 4;H302 Skin Corr. 1B;H314 Acute Tox. 3;H311 Eye Dam. 1;H318	[1]

[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.

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.

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

Overview

Health Hazards (Acute and Chronic):

Ingestion: Ingestion may cause transient gastrointestinal irritation.

Eye Contact: May cause mild transient irritation.

Skin: Transient irritation with prolonged exposure to concentrated material.

Safety Data Sheet

Kitchen Mate Dishwashing Detergent

SDS Revision Date:

01/12/2015



Signs and Symptoms of Exposure:

Ingestion: May result in nausea, vomiting, and/or diarrhea.

Eye Contact: May cause stinging, tearing, itching, swelling, and/or redness.

Skin: Prolonged contact with concentrated material may cause temporary drying and irritation See section 2 for further details.

Skin

May be harmful in contact with skin.

Ingestion

May be harmful if swallowed.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, 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.

Do not breathe mist / vapors / spray.

5.3. Advice for fire-fighters

None

ERG Guide No. ---

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Read entire label before using product

6.2. Environmental precautions

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

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.

7. Handling and storage

7.1. Precautions for safe handling

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

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

Safety Data Sheet

Kitchen Mate Dishwashing Detergent

SDS Revision Date:

01/12/2015



7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Keep from freezing.

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

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0009016-45-9	Nonylphenol polyethoxylate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0027176-87-0	Dodecylbenzenesulfonic acid.	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0009016-45-9	Nonylphenol polyethoxylate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0027176-87-0	Dodecylbenzenesulfonic acid.	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

None required for normal use.

Eyes

None required for normal use.

Skin

Gloves: None required for normal use. Protective gloves recommended for prolonged direct contact.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Safety Data Sheet

Kitchen Mate Dishwashing Detergent

SDS Revision Date:

01/12/2015



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.

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

9. Physical and chemical properties

Appearance	Light amber Liquid
Odor	Slight
Odor threshold	Not Measured
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	Lower Explosive Limit: N/A Upper Explosive Limit: N/A
Vapor pressure (Pa)	< 1 mmHg @20C
Vapor Density	Not Measured
Specific Gravity	1.03
Solubility in Water	Complete
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
VOC %	Not Measured
Density	8.55 lb/gal

9.2. Other information

No other relevant information.

Safety Data Sheet

Kitchen Mate Dishwashing Detergent

SDS Revision Date:

01/12/2015



10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

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

10.6. Hazardous decomposition products

No hazardous decomposition data available.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Nonylphenol polyethoxylate - (9016-45-9)	2,000.00, Rat - Category: 4	No data available	No data available	No data available	No data available
Dodecylbenzenesulfonic acid. - (27176-87-0)	No data available	No data available	No data available	No data available	No data available

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).

Classification	Category	Hazard Description
Acute toxicity (oral)	5	May be harmful if swallowed. (Not adopted by US OSHA)
Acute toxicity (dermal)	5	May be harmful in contact with skin. (Not adopted by US OSHA)
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable

Safety Data Sheet

Kitchen Mate Dishwashing Detergent

SDS Revision Date:

01/12/2015



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

12. Ecological information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Nonylphenol polyethoxylate - (9016-45-9)	1.30, Lepomis macrochirus	4.80, Daphnia pulex	12.00 (96 hr), Pseudokirchneriella subcapitata
Dodecylbenzenesulfonic acid. - (27176-87-0)	Not Available	Not Available	Not Available

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 PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

Safety Data Sheet

Kitchen Mate Dishwashing Detergent

SDS Revision Date:

01/12/2015



13. Disposal considerations

13.1. Waste treatment methods

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

14. Transport information

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

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 Classification	D2B E
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs):

Dodecylbenzenesulfonic acid. (1,000.00)

EPCRA 302 Extremely Hazardous :

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

Safety Data Sheet

Kitchen Mate Dishwashing Detergent

SDS Revision Date:

01/12/2015



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%):

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

Proposition 65 - Developmental Toxins (>0.0%):

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

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.

N.J. RTK Substances (>1%):

Dodecylbenzenesulfonic acid.

Penn RTK Substances (>1%):

Dodecylbenzenesulfonic acid.

16. Other information

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:

H302 Harmful if swallowed.

H311 Toxic 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.

H411 Toxic to aquatic life with long lasting effects.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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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