

# Material Safety Data Sheet

## Liquid Detergent

### 1. Product and company identification

Product name	Liquid Detergent	Validation date	7/1/2013.
In case of emergency	800-255-3924	Print date	7/1/2013.
Material uses	Liquid Hand Dishwashing Detergent	Responsible name	Regulatory Affairs Department
Manufacturer	Gorm Incorporated 1501 South Hudson Avenue Ontario, CA 91761 Phone: 800-640-4676		

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

Health	* 1	HAZARD RATING
Flammability	2	4 = Extreme
Physical hazards	0	3 = High
Personal protection	B	2 = Moderate
		1 = Slight
		0 = Insignificant

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

### 2. Hazards identification

Emergency overview	WARNING! Combustible liquid and vapor. May cause eye and skin irritation. May cause respiratory tract irritation. May be harmful if swallowed. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. Keep away from heat, sparks and flame. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Do not ingest. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
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#### Potential acute health effects due to overexposure

Inhalation	No known significant effects or critical hazards.
Ingestion	May be harmful if swallowed.
Skin	Prolonged or repeated contact may dry skin and cause irritation.
Eyes	Irritating to eyes. Risk of serious damage to eyes.

#### Potential chronic health effects due to overexposure

Carcinogenicity	Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.
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.

See toxicological information (section 8)

### 3. Composition/information on ingredients

Name	CAS number	%
Sodium lauryl ether sulfate	9004-82-4	10 - 30
sodium chloride	7647-14-5	5 - 10
Coconut oil diethanolamide	68603-42-9	1 - 5
Alcohols, C12-15, ethoxylated	68131-39-5	1 - 5

#### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

**WARNING:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Max acceptable dosage
Coconut oil diethanolamide	Yes.	No.	No.	No.
diethanolamine	Yes.	No.	No.	No.

### 4. First aid measures

Eye contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
Inhalation	Move exposed person to fresh air. Get medical attention if symptoms appear.
Ingestion	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.
Notes to physician	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

<b>Flammability of the product</b>	Combustible liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
<b>Extinguishing media</b>	
<b>Suitable</b>	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Special exposure hazards</b>	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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
<b>Hazardous thermal decomposition products</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides halogenated compounds metal oxide/oxides
<b>Special protective equipment for fire-fighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
<b>Flash point</b>	Closed cup: 51.6°C (125°F) No flash and no sustained combustion under required test conditions listed in 173.120.

## 6. Control and preventive measures

<b>Storage</b>	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
<b>Personal protection</b>	
<b>Respiratory</b>	None required with adequate ventilation.
<b>Hands</b>	None normally required. For prolonged or repeated handling, use the following type of gloves: Rubber gloves.
<b>Skin</b>	None normally required.
<b>Eyes</b>	None normally required.
<b>Methods for cleaning up</b>	
<b>Small spill</b>	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
<b>Waste disposal</b>	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## 7. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Boiling/condensation point</b>	100°C (212°F)
<b>Color</b>	Blue	<b>Melting/freezing point</b>	0°C (32°F)
<b>Odor</b>	Floral	<b>Vapor pressure</b>	<4 kPa (<30 mm of Hg)
<b>pH</b>	5.5 - 6.5	<b>Vapor density</b>	<1 [Air = 1]
<b>1% pH:</b>	7	<b>Weight per Gallon:</b>	8.91 lbs./gal.
		<b>Specific Gravity:</b>	1.06 gm/ml

\* Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 8. Toxicological information

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Sodium lauryl ether sulfate sodium chloride	LD50 Oral	Rat	1600 mg/kg	-
	LD50 Intraperitoneal	Rat	2600 mg/kg	-
	LD50 Oral	Rat	3000 mg/kg	-
	LDLo Intraperitoneal	Rat	3.72 g/kg	-
	LDLo Subcutaneous	Rat	3500 mg/kg	-
	TDLo Intraperitoneal	Rat	491 mg/kg	-
	TDLo Oral	Rat	1.43 mg/kg	-
Coconut oil diethanolamide	LD50 Oral	Rat	12400 uL/kg	-
Alcohols, C12-15, ethoxylated	LD50 Oral	Rat	2 g/kg	-
<b>Conclusion/Summary</b>	Not available			
<b>Chronic toxicity</b>				
<b>Conclusion/Summary</b>	Not available			

9. Transport information						
Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated	-	-	-		-

PG\* : Packing group