Material Safety Data Sheet

Food Service Degreaser

1 . Product and company identification

Product name Food Service Degreaser

In case of emergency 800-255-3924

Material uses Meatroom cleaner

Manufacturer Gorm Incorporated
1501 South Hudson Avenue
Ontario, CA 91761
Phone: 800-640-4676

Validation date 7/1/2013.

Print date 7/1/2013.

Responsible name **Regulatory Affairs Department**

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

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

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

2 . Hazards identification

Emergency overview

WARNING! CORROSIVE LIQUID

HARMFUL IF INHALED OR SWALLOWED. CORROSIVE TO EYES AND SKIN. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.

Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready to use. Wash thoroughly after handling.

Potential acute health effects due to overexposure

Inhalation Harmful by inhalation. Corrosive to the respiratory system.

Ingestion Harmful if swallowed. May cause burns to mouth, throat and stomach.

Skin Causes irritation and/or corrosive burns. Brief exposures may cause irritation and defatting of the skin.

Eyes Corrosive 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	%
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	5 - 10
Coconut oil diethanolamide	68603-42-9	5 - 10
sodium carbonate	497-19-8	1 - 5
potassium hydroxide	1310-58-3	1 - 5
diethanolamine	111-42-2	1 - 5
pentasodium triphosphate	7758-29-4	1 - 5

SARA 313 **(Form R - Reporting requirements)**

Product name	CAS number	Concentration
diethanolamine	111-42-2	2.43

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

California Prop. 65

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

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 immediately.

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 immediately.

Inhalation Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Notes to physician Corrosive Liquid. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Probable mucosal damage may contraindicate the use of gastric lavage.

5 . Fire-fighting measures

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

Extinguishing media

Suitable Use an extinguishing agent suitable for the surrounding fire.

Special exposure hazards Corrosive Liquid. 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.

Hazardous thermal decomposition products Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
phosphorus oxides
metal oxide/oxides

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.

Flash point Closed cup: >93.3°C (>200°F)

6. Control and preventive measures

Storage Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Separate from acids. 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.

Ingredient	Exposure limits
potassium hydroxide	**OSHA PEL 1989 (United States, 3/1989).** CEIL: 2 mg/m³ **ACGIH TLV (United States, 3/2012).** C: 2 mg/m³ **NIOSH REL (United States, 6/2009).** TWA: 2 mg/m³ 10 hour(s).
diethanolamine	**OSHA PEL 1989 (United States, 3/1989).** TWA: 3 ppm 8 hour(s). TWA: 15 mg/m³ 8 hour(s). **ACGIH TLV (United States, 2/2010). Absorbed through skin.** TWA: 1 mg/m³ 8 hour(s). Form: Inhalable fraction and vapor **NIOSH REL (United States, 6/2009).** TWA: 3 ppm 10 hour(s). TWA: 15 mg/m³ 10 hour(s).

Personal protection

Respiratory None required with adequate ventilation. In situations where respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Hands Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Eyes Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Methods for cleaning up

Small spill 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. Dispose of via a licensed waste disposal contractor.

6. Control and preventive measures

Waste disposal Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

7. Physical and chemical properties

Physical state	Liquid	**Boiling/condensation point**	100°C (212°F)
Color	Light Amber	**Melting/freezing point**	0°C (32°F)
Odor	Bland	**Vapor pressure**	<4 kPa (<30 mm Hg) [20°C]
pH	12.7 to 13.7	**Vapor density**	<1 [Air = 1]
1% pH:	10	**Weight per Gallon:**	9.67 lbs./gal.
VOC *	0.7 % (w/w)	**Specific Gravity:**	1.16 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
potassium hydroxide	LD50 Oral	Rat	273 mg/kg	-
Benzenesulfonic acid, C10-16-alkyl derivs.	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	775 mg/kg	-
Coconut oil diethanolamide	LD50 Oral	Rat	12400 uL/kg	-
diethanolamine	LD50 Oral	Rat	620 uL/kg	-
sodium carbonate	LD50 Oral	Rat	4090 mg/kg	-
	LC50 Inhalation Vapor	Rat	2300 mg/m3	2 hours
pentasodium triphosphate	LD50 Intraperitoneal	Rat	525 mg/kg	-
	LD50 Oral	Rat	3120 mg/kg	-
	LD50 Subcutaneous	Rat	2060 mg/kg	-

Conclusion/Summary Not available

Chronic toxicity

Conclusion/Summary Not available

9. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	UN1719	Caustic alkali liquids, n.o.s. (Sodium metasilicate)	8	III		-

PG* : Packing group