

# Material Safety Data Sheet

## Food Service Degreaser

### 1. Product and company identification

<b>Product name</b>	Food Service Degreaser	<b>In case of emergency</b>	1-800-843-6174
<b>Code</b>	2258FS	<b>Validation date</b>	11/8/2011.
<b>Material uses</b>	Meatroom Cleaner	<b>Print date</b>	11/8/2011.
<b>Manufacturer</b>	Essential Industries, Inc. P.O. Box 12 Merton, WI 53056-0012 Phone: 262-538-1122	<b>Responsible name</b>	Regulatory Affairs Department

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

Health	3	<b>HAZARD RATING</b>
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

<b>Emergency overview</b>	No specific hazard. HARMFUL IF SWALLOWED. CAUSES EYE AND SKIN IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER. Harmful if swallowed. May be harmful if absorbed through skin. Severely irritating to the eyes and skin. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Do not get in eyes. Avoid contact with skin and clothing. Contains material that may cause target organ damage, based on animal data. Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure. Wash thoroughly after handling.
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#### Potential acute health effects due to overexposure

<b>Inhalation</b>	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
<b>Ingestion</b>	May be toxic if swallowed. May cause burns to mouth, throat and stomach.
<b>Skin</b>	Corrosive to the skin. May cause severe burns.
<b>Eyes</b>	Corrosive to eyes. May cause severe burns.

#### Potential chronic health effects due to overexposure

<b>Carcinogenicity</b>	Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure.
<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental effects</b>	No known significant effects or critical hazards.
<b>Fertility effects</b>	No known significant effects or critical hazards.

See toxicological information (section 8)

### 3. Composition/information on ingredients

<b>Name</b>	<b>CAS number</b>	<b>%</b>
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	5 - 10
tetrasodium ethylene diamine tetraacetate	64-02-8	1 - 5
SODIUM CARBONATE	497-19-8	1 - 5
Potassium hydroxide	1310-58-3	1 - 5
sodium chloride	7647-14-5	1 - 5
sulphuric acid	7664-93-9	0 - 1

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

<b>Product name</b>	<b>CAS number</b>	<b>Concentration</b>
sulphuric acid	7664-93-9	0.11089

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.

<b>Ingredient name</b>	<b>Cancer</b>	<b>Reproductive</b>	<b>No significant risk level</b>	<b>Max acceptable dosage</b>
sulphuric acid	Yes.	No.	No.	No.

## 4. First aid measures

<b>Eye contact</b>	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.
<b>Skin contact</b>	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.
<b>Inhalation</b>	Move exposed person to fresh air. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Ingestion</b>	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.
<b>Protection of first-aiders</b>	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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.
<b>Notes to physician</b>	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

## 5. Fire-fighting measures

<b>Flammability of the product</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Extinguishing media</b>	
<b>Suitable</b>	Use an extinguishing agent suitable for the surrounding fire.
<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.
<b>Hazardous thermal decomposition products</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides 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: Not applicable

## 6. Control and preventive measures

<b>Storage</b>	Store in accordance with local regulations. 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.
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Ingredient	Exposure limits
Potassium hydroxide	<b>OSHA PEL 1989 (United States, 3/1989).</b> CEIL: 2 mg/m <sup>3</sup> <b>ACGIH TLV (United States, 2/2010).</b> C: 2 mg/m <sup>3</sup> <b>NIOSH REL (United States, 6/2009).</b> TWA: 2 mg/m <sup>3</sup> 10 hour(s).
sulphuric acid	<b>OSHA PEL (United States, 6/2010).</b> TWA: 1 mg/m <sup>3</sup> 8 hour(s). <b>ACGIH TLV (United States, 2/2010).</b> TWA: 0.2 mg/m <sup>3</sup> 8 hour(s). <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 1 mg/m <sup>3</sup> 8 hour(s). <b>NIOSH REL (United States, 6/2009).</b> TWA: 1 mg/m <sup>3</sup> 10 hour(s).

### Personal protection

<b>Respiratory</b>	None required. However, use of adequate ventilation is good industrial practice.
<b>Hands</b>	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.
<b>Skin</b>	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.
<b>Eyes</b>	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

<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. 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>	Amber [Light]	<b>Melting/freezing point</b>	0°C (32°F)
<b>Odor</b>	Bland	<b>Vapor pressure</b>	<4 kPa (<30 mm Hg) [20°C]
<b>VOC</b>	0.6%	<b>Vapor density</b>	<1 [Air = 1]
<b>pH</b>	12.6 to 13.5	<b>Weight per Gallon:</b>	9.67 lbs./gal.
<b>1% pH:</b>	10.0	<b>Specific Gravity:</b>	1.16 gm/ml

## 8. Toxicological information

### Acute toxicity


<b>Product/ingredient name</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>	<b>Exposure</b>
Benzenesulfonic acid, C10-16-alkyl derivs.	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	775 mg/kg	-
SODIUM CARBONATE	LD50 Oral	Rat	4090 mg/kg	-
	LC50 Inhalation Vapor	Rat	2300 mg/m <sup>3</sup>	2 hours
tetrasodium ethylene diamine tetraacetate	LD50 Intraperitoneal	Rat	>2 g/kg	-
	LD50 Oral	Rat	10 g/kg	-
Potassium hydroxide	LD50 Oral	Rat	273 mg/kg	-
sulphuric acid	LD50 Oral	Rat	2140 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	510 mg/m <sup>3</sup>	2 hours
sodium chloride	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	-

**Conclusion/Summary** Not available

### Chronic toxicity

**Conclusion/Summary** Not available

## 9. Transport information

<b>Regulatory information</b>	<b>UN number</b>	<b>Proper shipping name</b>	<b>Classes</b>	<b>PG*</b>	<b>Label</b>	<b>Additional information</b>
<b>DOT Classification</b>	UN1760	Corrosive Liquids, N.O.S. (Sodium metasilicate)	8	-		-

PG\* : Packing group