

# SAFETY DATA SHEET

Excel, Pot & Pan Detergent

EM SYSTEMS INC.

Revision Date: November 7, 2014

## Product Identifier:

**Product Name:** Excel Pot & Pan Detergent

## Recommended Use of the Chemical and Restrictions on Use

**Recommended Use:** Manual Washing in sink, Use: up to .16oz/gal in water

## Details of the Supplier of the Safety Data Sheet

**Supplier Address:** E.M. Systems, Inc. 1931 West 2425 South Woods Cross, UT 84087

## Emergency Telephone Number

**Company Phone Number:** 801-292-8051

**Emergency Telephone:** CHEMTREC: 1-800-424-9300

## SECTION 2: HAZARDS IDENTIFICATION

### GHS Classification:

Serious eye damage	Category 2b
Eye Irritation	Category 2b

### GHS Label element:

**Signal Word:** Warning

**Hazard statements:** Causes eye irritation.

### Precautionary Statements:

**Prevention:** Wash hands thoroughly after handling.

**Response:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Wash thoroughly after handling.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage:** No other specific measures identified.

**Disposal:** See section 13 for waste disposal information

**Other Hazards:** None Know.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Product AS SOLD, Pure substance or Mixture: <b>Mixture</b>		
Chemical Name	CAS No	Concentration-%
SODIUM C14-16 OLEFIN SULFONATE	68439-57-6	5-20%
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-,c10-16-alkyl ethers, sodium salts	68585-34-2	1-5%
COCAMINE OXIDE	61788-90-7	1-5%

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## SECTION 4: FIRST AID MEASURES

### Product AS SOLD:

In case of eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
In case of skin contact:	No known effect after skin contact. Rinse with water for a few minutes.
If swallowed:	Get medical attention if symptoms occur.
If inhaled:	No special measures required. Treat symptomatically.
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.
Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. <b>See toxicology information (Section 11)</b>

## SECTION 5: FIRE-FIGHTING MEASURES

### **Suitable fire extinguishing**

**Media:** Use water spray, fog or foam.

### **Specific hazards arising**

**From the chemical:** In a fire or if heated, a pressure increase will occur and the container may burst.

### **Hazardous thermal**

**Decomposition products:** Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides

### **Specific fire-fighting**

**Methods:** 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.

### **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.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	:	Use personal protective equipment as required.
<b>Environmental Precautions</b>	:	Avoid contact of large amounts of spilled material and runoff with soil and surface waterways
<b>Methods for cleaning up</b>	:	Use a water rinse for final clean-up.
<b>Handling Storage</b>	:	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep out of reach of children. Keep container tightly closed. Store between the following temperatures: 0 and 50°C

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## SECTION 7: HANDLING AND STORAGE

	Product: AS SOLD	Product: AT USE, DILUTION
Handling	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling	Wash thoroughly after handling.
Storage	Keep out of reach of children. Keep container tightly closed.  Store between the following temperatures: 0 and 50°C	Keep out of reach of children. Keep container tightly closed.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### CONTROL PARAMETERS:

None

### Appropriate engineering controls:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Personal Protection:

#### Eye protection:

No protective equipment is needed under normal use conditions.

#### Hand Protection:

No protective equipment is needed under normal use conditions.

#### Skin protection:

No protective equipment is needed under normal use conditions

### Respiratory protection:

A respirator is not needed under normal and intended conditions of product use.

### Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Color:** Pink

**Flash point:** >100°C

**Odor Threshold:** No data available

**Initial boiling point:** No data available

**Flammability (solid, gas) :** No data available

**Lower explosion limit :** No data available

**Relative vapor density:** No data available

**Solubility:** Easily soluble in the following materials: cold water and hot water.

**Solubility in other solvents:** No data available

**Autoignition temperature :** No data available

**Viscosity, kinematic :** No data available

**Explosive properties :** No data available

**Molecular weight :** No data available

**Odor:** Lemon

**pH:** 7.5 to 8.5 100%

**Boiling point:** >100°C (>212°F)

**Melting point/freezing point:** No data available

**Evaporation rate:** any data available

**Upper explosion limit :** No data available

**Vapor pressure :** No data available

**Relative density:** 1.046 (Water =1)

**Partition coefficient:** No data available

**Thermal decomposition :** No data available

**VOC :** No data available

**Oxidizing properties :** No data available

## SECTION 10: STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions.

**Hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid:** None known.

**Materials to avoid:** Not available

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information: Potential Health Effects

**Inhalation:** No specific data.  
**Eye Contact:** Adverse symptoms may include the following: irritation watering redness  
**Skin Contact:** No specific data.  
**Ingestion:** No specific data.

#### Product Information: Experience with human exposure.

**Eye contact:** Redness, watering, irritation  
**Skin contact:** No specific data  
**Ingestion:** No specific data  
**Inhalation:** No specific data

#### Toxicity data:

**Product/ingredient name:** Not applicable

#### Chronic toxicity:

**Carcinogenicity:** No known significant effects or critical hazards.  
**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

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
sulfonic acids, c14-16-alkane hydroxy and c14-16-alkene, sodium salts	LD50 Rat > 3983 mg/kg	LD50 Rabbit > 6300 mg/kg	-
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c10-16-alkyl ethers, sodium salts	LD50 Rat > 846 mg/kg	LD50 Rat > 2000 mg/kg	-
amines, coco alkyldimethyl, n-oxides	LD50 Rat > 2500 mg/kg	LD50 Rat > 2174 mg/kg	-

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** No known significant effects or critical hazards

### Aquatic and terrestrial toxicity

Chemical Name	Result	Species	Exposure
sulfonic acids, c14-16-alkane hydroxy and c14-16-alkene, sodium salts	Acute LC50 4.2 mg/l	Fish	96 hours
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c10-16-alkyl ethers, sodium salts	Acute LC50 28 mg/l	Fish	96 hours
amines, coco alkyldimethyl, n-oxides	Acute LC50 < 1 mg/l	Fish	96 hours

**Other adverse effects:** No known significant effects or critical hazards.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal methods:** Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

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## SECTION 14: TRANSPORT INFORMATION

*Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.*

### Land transport (DOT)

UN number: NOT REGULATED  
Description of the goods:  
Class:  
Packing group:  
Environmentally hazardous:

### Sea transport (IMDG/IMO)

UN number: NOT REGULATED  
Description of the goods:  
Class:  
Packing group:  
Marine pollutant:

## SECTION 15: REGULATORY INFORMATION

### U.S. Federal regulations

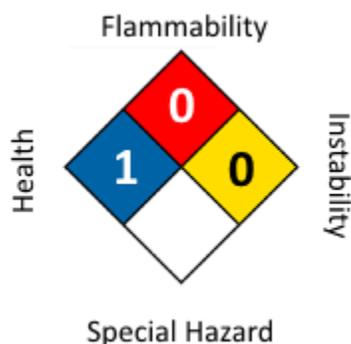
**TSCA 8(b) inventory:** All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances:** No listed substance

**SARA 302/304 emergency planning and notification:** No listed substance

SARA 313	Product name	CAS number	Concentration
Form R – Reporting requirements	No listed substance	-	-
California Prop. 65	No listed substance	-	-

## SECTION 16: OTHER INFORMATION



### HMIS III:

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic	

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

***End of Safety Data Sheet***