

# Material Safety Data Sheet



KAY Pot & Pan Detergent

## Section 1. Chemical product and company identification

**Trade name** : KAY Pot & Pan Detergent  
**Product use** : Manual Warewashing Detergent  
**Supplier** : Kay Chemical Company  
8300 Capital Drive  
Greensboro NC 27409  
1-800-529-5458 (Customer Service)  
**Code** : 912465  
**Date of issue** : 31-July-2008

**EMERGENCY HEALTH INFORMATION: 1-800-304-0824**  
**Outside United States and Canada CALL 0-303-592-1709**

## Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
amides, coco, n,n-bis(hydroxyethyl)	68603-42-9	5 - 20
sodium dodecyl sulfate	151-21-3	5 - 20
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c10-16-alkyl ethers, sodium salts	68585-34-2	5 - 20
1-tetradecanamine, n,n-dimethyl-, n-oxide	3332-27-2	1 - 5
lauryldimethylamine oxide	1643-20-5	1 - 5
ethanol	64-17-5	1 - 5

## Section 3. Hazards identification

**Physical state** : Liquid. [Liquid.]  
**Emergency overview** : CAUTION!  
MAY CAUSE EYE AND SKIN IRRITATION.

Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

### Potential acute health effects

**Eyes** : Irritating to eyes.  
**Skin** : Moderately irritating to the skin.  
**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : May be harmful if swallowed.

See toxicological information (section 11)

## Section 4. First aid measures

**Eye contact** : In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if irritation occurs.  
**Skin contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.  
**Inhalation** : If inhaled, remove to fresh air.  
**Ingestion** : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire fighting measures

<b>Flash point</b>	: > 100°C
<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>Fire-fighting media and instructions</b>	: Use an extinguishing agent suitable for the surrounding fire.  Dike area of fire to prevent runoff. In a fire or if heated, a pressure increase will occur and the container may burst.
<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.

## Section 6. Accidental release measures

<b>Personal precautions</b>	: No special measures required.
<b>Environmental precautions</b>	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
<b>Methods for cleaning up</b>	: For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

## Section 7. Handling and storage

<b>Handling</b>	: Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed. Store between the following temperatures: 0 and 50°C

## Section 8. Exposure controls/personal protection

<b>Engineering measures</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
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### Personal protection :

<b>Eyes</b>	: No special protection is required.
<b>Hands</b>	: No special protection is required.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: A respirator is not needed under normal and intended conditions of product use.

### Name

ethanol

### Exposure limits

**ACGIH TLV (United States, 1/2007).**

TWA: 1880 mg/m<sup>3</sup> 8 hour(s).

TWA: 1000 ppm 8 hour(s).

**OSHA PEL (United States, 11/2006).**

TWA: 1900 mg/m<sup>3</sup> 8 hour(s).

TWA: 1000 ppm 8 hour(s).

## Section 9. Physical and chemical properties

Physical state	: Liquid. [Liquid.]
Color	: Blue. [Dark]
Odor	: citrus
pH	: 6.5 to 8 [Conc. (% w/w): 100%]
Relative density	: 1.025 to 1.045
Viscosity	: Dynamic: 200 cP
Solubility	: Easily soluble in the following materials: cold water and hot water.

## Section 10. Stability and reactivity

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

## Section 11. Toxicological information

### Potential acute health effects

Eyes	: Irritating to eyes.
Skin	: Moderately irritating to the skin.
Inhalation	: No known significant effects or critical hazards.
Ingestion	: May be harmful if swallowed.

### Potential chronic health effects

Target organs	: No known significant effects or critical hazards.
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## Section 12. Ecological information

## Section 13. Disposal considerations

Waste disposal	: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. 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.
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Consult your local or regional authorities.

## Section 14. Transport information

See shipping documents for specific transportation information.

## Section 15. Regulatory information

HCS Classification	: Irritating material
U.S. Federal regulations	: <b>SARA 302/304/311/312 extremely hazardous substances:</b> No products were found. <b>SARA 302/304 emergency planning and notification:</b> No products were found. <b>TSCA 8(b) inventory</b> : All components are listed or exempted.
California Prop. 65	: No products were found.

**Section 16. Other information**

Hazardous Material Information System (U.S.A.) :	Health	*	1
	Flammability		0
	Physical hazards		0

Date of issue : 31-July-2008.  
Responsible name : Regulatory Affairs  
Date of previous issue : 07-April-2008.

**Notice to reader**

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.